1037-38-39-40-41-42-43
44-45-

File No. 2004/36 I

A CLASS

P.W. **DEPARTMENT**
K (El.) **BRANCH**

Subject:— Hydro Electric Project.
"Gersappa falls" proposed by the
Mysore Govt.

#4

I = 189
E

File No. 2004/36 (El) K.

Std. Stott. Slip 24 B

G. R., G. D., No. 2403, dated 22-6-22.]

DOCKET SHEET

Subject:—

File No. 2004/36

PW.

JM - BR.

References:—

O/S file 16111/1

Date.	To whom sent.	Notes and instructions.
29-11-37	MB MBr	
4/12		
11/3/38	MB	
11/7	~~BJ BR~~	
22/	MB	
11/8/38	~~BM~~	
18/12/38	MB	
16/6	file BV	File (A)

STATEMENT SHOWING THE DAILY AVERAGE DISCHARGES OF THE RIVER SHARAVATI AT JOG DURING JANUARY AS A RESULT OF GAUGING OPERATIONS DURING 1918, 1919, 1920, 1932 & 1933 AND THE DISCHARGES RECOMMENDED TO BE LET DOWN IN THE RIVER AFTER THE POWER RESERVOIR IS BUILT.

Date	Average discharge.	Discharge fixed.	No.of photos. correlating the scenic effects.	Remarks.
1	2	3	4	5
1	438	400		
2	447	400		
3	422	400		
4	391	390	Photo No. 25/32-33	
5	399	400		
6	384	380		
7	381	380		
8	354	350		
9	329	330	27/32-33	
10	332	330		
11	290	290	30/31-32 & 29/32-33	
12	316	320		
13	304	300	28/32-33	
14	291	290	30/31-32 & 29/32-33	
15	278	280	30/32-33	
16	250	250		
17	228	230		
18	229	230		
19	227	230		
20	231	230		
21	257	260		
22	255	260	32/31-32 &	
23	257	260		
24	251	250	32/32-33	
25	249	250		
26	248	250		
27	245	250		
28	245	250		
29	249	250		
30	242	240		
31	242	240		

1. Whenever the normal discharge is in excess of 400 cusecs, Mysore may be permitted to draw 95 cusecs therefrom subject to maintaining a minimum of 400 cusecs in the river.

2. Whenever the normal discharge falls below 400 cusecs, the average normal discharge as indicated in the column (3) may be maintained in the river on the days shown. This will be regulated at the Regulator sluice in the Power Reservoir.

A 2

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

STATEMENT SHOWING THE DAILY AVERAGE DISCHARGES OF THE RIVER SHARAVATI AT JOG DURING FEBRUARY AS A RESULT OF GAUGING OPERATIONS DURING 1918, 1919, 1920, 1932 & 1933 AND THE DISCHARGES RECOMMENDED TO BE LET DOWN IN THE RIVER AFTER THE POWER RESERVOIR IS BUILT.

Date.	Average discharge.	Discharge fixed.	Remarks.
1	2	3	4
1	219	220	The average normal discharge as indicated in the column 3 may be maintained in the river on the dates shown. This discharge will be regulated at the regulator sluice in the power reservoir.
2.	214	210	
3	205	210	
4	200	200	
5	206	200	
6	203	200	
7	187	190	
8	181	180	
9	181	180	
10	175	180	
11	161	160	
12	162	160	
13	161	160	
14	160	160	
15	158	160	

Sd/- C. M. Cariapa,
Chief Electrical Engineer.

1411/29

Please let me know if this Govt. has entered into any agreement with the Mysore Govt. concerning Gersoppa fall. If there is one, please put up for my going through it.

Engl.

30/9/37

Secy, P.W.D.

There is an agreement. Please find it.

offic.

30/9

Note on the Gersoppa Falls Hydro-Electric Project:

The question of the utilization of the waters of the Sheravati River for industrial purposes was first raised in 1902, when Messrs. Ritchie, Steuart & Co. approached both the Govt. of Bombay and the Mysore Govt. for the necessary permission. Since the ownership of the waters was in doubt the question was refd. to the G. of I., who in reply expressed their views as regards the utilization of these waters very strongly and negatived the use of these waters for any industrial purposes whatsoever.

2. The question was reopened in 1928 by the Mysore Durbar who wanted to use part of the supplies available for generating electricity. Since this Govt. could not utilize the flow for irrign. on account of the hilly nature of the country and as the Mysore Govt. agreed to let down the normal discharge of the river in the season when tourists frequent the falls viz. from Oct. to 15th Feby. and as that Govt. agreed besides to make power available for the British territory if required, and also to let down a supply after Feby. 15th in case a distinguished visitor was expected, this Govt. had no objection to the abstraction of water from the river by the Mysore Govt. The Govt. of India also agreed to waive their objection on the conditions settled between the Mysore Durbar and the Bombay Govt. The conditions of the agreement

are

Not found
✓ × Vol 223 of 1904-09 p-167

α — do — p-169

file 1411/27 Pt I Sl/p 0 p-41

a — do — p70

b — do — p 224

△ file 1411/27 Pt II 86/p I p172

c — do — pp 183-84

d file 1411/27 Pt I Sl/p c pp 224-226

are summarised below:-

(i) The Bombay Govt. is interested in the discharge not being allowed or caused to fall below a certain minimum between 1st of Octr. and the 15th of February.

(ii) The Mysore Durbar may be permitted to retain in storage the full river discharge after the 15th of February.

(iii) If any specially distinguished visitors should arrive at the Falls after the 15th of Feby. it will be possible for the Mysore Durbar to arrange to let down a sufficient discharge to make the Falls spectacularly effective for the period of the visit.

(iv) Gauging observations to be made during the next twelve months beginning as near the 1st of Jany.1931 as possible and to correlate the discharges in the river with the scenic effect. The result of these gaugings and inspections would determine the minimum flow of water over the Falls during the months of Octr. November, December and January up to 15th of February which would give full scenic effect to the Falls and would at the same time determine the amount of surplus water that could ordinarily be taken by the Mysore Govt. for storage.

(v) The requirements of the Mysore Govt. was a constant supply of 185 cusecs throughout the year, that is for the first stage of the scheme up to 20,000 horse power and that arrangements re: subsequent stages to be settled by arrangement between the Govts. of Bombay

& File 1411/27 Pt I
Secy O/
pp nil-226

and Mysore.

* file 1411/27 Pt II Sl. I pp 153-157

3. The recommendation made by the officers of the two Govts. is that the Mysore Govt. could be allowed to draw water from the river to the extent noted below during the several months of the year without the likelihood of making any difference in the scenic effects of the Falls:-

Months.	Discharge that the Mysore Govt. may be permitted to draw.
Octr.) Novr.)	190 cusecs.
Decr.	95 cusecs subject to a minimum flow of 400 cusecs being maintained in the river during the month.
Jany.	(i) When the normal discharge is over 400 cusecs, the quantity in excess of a minimum discharge of 400 cusecs.
	(ii) When the normal discharge is below 400 cusecs, the discharge to be let down the river to be fixed at different figures* on different dates as per column 3 of the statement. pA1
Feby.	Full normal discharge to be let down the river as per average figures specified for different dates as per column 3 of the statement. pA2

* The discharge to be regulated at the regulator sluice in the Power Reservoir.

-do- p-153

-do- p 155

4. It may be stated that if the Mysore Durbar want a further supply in order to increase the capacity of their works, they will have to consult this Govt. It will also be seen from the conditions that the discharge for the latter half of February and onwards till next October could be wholly appropriated by the Mysor Govt. This was apparently agreed to, as during this season visitors do not visit the

× 1411/27 Pt. I p 226 sl. C

the Falls ~~in~~ in the earlier months because the discharge dwindles to a trickle and in the monsoon because the discharge is too great, and ~~[illegible]~~ the Falls.

Thro. SE.

23/10/37

HMI 23/37

23/10

26/10/37

DS

Secy

Submitted HM. PWD

From the papers put up in this Case and the report submitted, it does not appear that the Bombay Govt. have entered into any agreement with the Mysore Durbar so far concerning "The Harnessing of the Gersoppa falls for generating electric power." It only appears that negotiations were continued till the beginning of 1931 for this purpose.

But it does not appear what
has happened as a result
of these negotiations.

I therefore want to know
the result of these negotiations
and secondly if there is any
agreement in existence
between the Mysore State
and Bombay Govt. concerning
this question -

Please treat it as urgent.

Yours sincerely

28/10/37.

1411/27

Resubmitted with reference to the H.M's minute, dated 28-10-37.

2. The presumption made in para. 1 of the H.M's minute that this Govt. has not entered into any agreement with the Mysore Govt. as regards "the harnessing of the Gersoppa Falls for generating electric power" is correct.

3. The conditions on which this Govt. agreed to allow the Mysore Govt. to draw water from the Sheravati river above the Gersoppa Falls are set out in G.L.No. 1411/27, dated 7-2-1931 and are summarised in para. 2 of the O.N. dated 23-10-1937. In accordance with condition (iv) of the agreement the gaugings of the Sheravati river were carried out by the officers of the two Govts. and the joint recommendation made by them is briefly stated in para. 3 of the O.N. The joint recommendation was accepted by this Govt. vide G.L. No. 1411/27-M, dated 14-7-33 and was also accepted by the Mysore Govt. - vide the Hon'ble the Residents letter No. F. 724-34/R.O. 11, dated 6-9-34 to the Govt. of India.

× File 1411/27 Pt I Slip 0 pp 224-226

File 1411/27 Pt II Slip I pp 171-72

& do - p-203

B.K.R.
5-11-37
201

Thro. AE.

5/11/37

6-11-37

8/11/37

SS

Seen

Submitted HM, PWD

I want to know what this Govt. is going to do in the matter. 11/11

Submitted.

2. This Govt. is free to use the falls utilising such water as is available, after the withdrawals by the Mysore Govt. from the Sheravati river permitted under the recommendations accepted by this Govt (reproduced on p. 5 ante). The acceptance of the recommendations by this Govt. meant that from 16th Feb. to tne onset of the monsoon, there would be hardly any water available at the falls as the availaole discnarge in tne river during this period would be used up by the Mysore Govt. for its power plant, and after being thus used, this discharge cannot be reutilised as it rejoins the river about a mile[x] and a quarter below the falls. Unless therefore this Govt. builds a reservoir to give the required discharge during the period 16th Feb. to the beginning of monsoon, the generation of nydro-electric power would be stopped during that period. As the British jurisdiction extends only about ¾ mile upstream from the falls there seems to be no possibility of forming such a reservoir without submerging State territory

Vide plan at p. 101 file 141½/27 Slip 'O'

+ Do Do

B.K.R.
16-11-37.
182

16/11/37

By Secy

17/11/37

Secy
17/11

Submitted
H.M. P.W.D

Taken over.

I shall discuss this file with
the Secretary D.W.S. Please
send it on to me when
it returns from his
hands.

22/4/37

24/11.

15

GERSOPPA FALLS.

H.M., P.W.D. is anxious to harness the Gersoppa Falls if necessary in conjunction with the Mysore Govt. provided the necessary demand for power is likely to be forthcoming. He therefore considers that before the feasibility of the scheme is considered in detail on the technical side, a Committee consisting of the Commissioner, Southern Division, the Director of Industries and the Electrical Engineer to Government should examine the possibility of industrial power load that will be forthcoming in that part of the Province.

Seen

Office of Hon P.W.D.

Hon P.W.D wants the case concerning Gersoppa falls before 1 p.m tomorrow. I think the number of the file is 14 11/27 + the P.W.D may kindly put it up so as to reach him before 1 p.m tomorrow.

Cor.
25/11
P.A to Hon P.W.D
Submitted
Secy, P.W.D.

S. L.
25/11

The file is submitted herewith.

26/11/37.

P.A. to Hon.
for Secretary to Hon P.W.D.

Submitted. Hon Secy to Hon
Hon P.W.D.

H. M. F. D.
27/11/37

7 PH II
Vol I
p203

There is a reference to the Mysore Govt supplying power upto 5000 e.h.p. to this Govt. if necessary.

18

But the rate at which this will be supplied is left to be settled by mutual agreement. I read in the papers that the Mysore Govt are postponing to take up the work. It would be possible to see what action if any we may take if the exact wording of the Mysore Govt's agreement is shown & then we could see if a more definite undertaking could be asked for in respect of the price that Govt may demand on power supplied to this Govt. This is showing more important than the 'scenic effect' & so on discussed in the file.

R. L. A. may be shown papers relating to agreement on this point and his views obtained as to whether anything further is needed.

H. E. P.W.D. 29/11/37

* File 141/37 Part II Ship I p 203

19 [illegible]

We have sent to R.L.A. for opinion and then it is placed again before me for consideration.

[signature]

2/12/37

12

Accy. [signature] 3/12/37.

✓

W.O. R.L.A. 9 3/12

done already 9/12/37

L. D.

9825

13. 3/12/37

11-30 A.M.

CNB 4/12

Office of the R.L.A.

It does not appear from the papers in this file that there is any definite agreement concluded with the Mysore Government regarding the harnessing of the Gersappa Falls. It is true that the agreement with the Mysore Government will be of a political nature and no formal deed is necessary for the purpose. But the arrangement so far arrived at is contained in the correspondence and the notes of discussions which the representatives of the Mysore Government had with Bombay Government officers. According to the arrangements arrived at with the Darbar which are set out in the letter to the Government of India, dated 7th February 1931, and summarised at page 9 ante of the P.W.D. office note, the Darbar has inter alia agreed to supply to the Government of Bombay, if required by them, electrical power to a maximum of 5000 E.H.P. on reasonable terms to be agreed upon mutually by the two Governments. The exact terms to be finally settled is a matter for the P.W.D. to determine. After the terms are finally settled it would be desirable to record the whole of the agreement containing all terms relating to this matter by execution of a document signed by the representatives of both the parties. The agreement will have to be drawn up so far as the Government of Bombay is concerned in the name of the Crow Representative and executed by an officer authorised by him (Cf. R.L.A's U.R. to P.W.D. No.2466 dated 6th May 1937).

J.R. Dunbar

for Remembrancer of Legal Affairs.

U.R. to P.W.D. No.7204 dated the 29th December 1937.

JMS.
28/12.

P.W.Deptt. 1411/27 2004/36

M.B.

Submitted with ref.to the H.M., F D's minute, pp 7-19 dated 29-11-37 and the H.M's minute, dated 2-12-37.

2. It will be seen from the R.L.A's note, p 21 dated 29-12-37 that no definite agreement has been concluded with the Mysore Govt. re: the harnessing of the Gersoppa Falls, that the arrangements so far arrived at are set out in G.L.No. 1411/27-M, dated 7-2-31 and that the Mysore Govt.have inter alia agreed to supply this Govt, if required by them, electrical power up to a maximum of 5,000 E.H.P. on reasonable terms to be agreed upon mutually by the two Govts. The exact terms to be finally settled is a matter for this Deptt. to determine. In this connection it may be stated that th Hon'ble the Resident in Mysore has been asked in G.L.No.2004/36-M, dated 7-12-37, to furnish this Govt.with details of the H.E.project in con.with the Gersoppa Falls which the Mysore Govt.are contemplating starting and also the manner in which this Govt.would be allowed to participate in it.It is for consideration whether before any further action is taken in the matter the reply of the Resident tothe G.L.quoted above may be awaited.

p. 27 (post)

× file 1411/27 I Sec/O p 224

∝ file 1411/27 II Sec/I p 203

B.K.R. 12-1-38. 238

This page should be sent to Secy p. 2829 HMI 13/1

HMI 13/1/38

It seems best to await the reply to the letter in question

HMI 13/1

Thro. A.C.

DS Secy Sale Committee HM. Pass

13/1

Yes, I agree

H.M., P.W.D., understands that the Mysore Govt. are contemplating starting a big hydro-electric project, in connection with the Gersoppa Falls. He has, therefore, directed that that Govt shd. be addressed at once and requested to supply this Govt. with details of the project, and also the manner in which this Govt. would be allowed to participate in the project.

D.S.

29/11/37

29/11/37

29/11

2004/36 2 b

(N.S) Submitted with the necessary draft p3. for approval, which may issue after con. & P&RD.

29-11-04.

29/11/04

37 2004/36

No. 2004/36.M.
P.W.D.,B.C., the ~~Nove~~ 7 Dec .1937.

To

The Hon'ble the Resident in Mysore
and Chief Commr., Coorg.

Subject:- Hydro-Electric project in
con.with the Gersoppa Falls.

Sir,

I am directed to state that this Govt. understand that the Mysore Govt. are contemplating starting a big hydro-electric-project in con.with the Gersoppa Falls.I am to request that if there is no objection you will kindly obtain and supply this Govt. with details of the project and also the manner in which this Govt.would be allowed to participate in it.

I have etc.

29-11-37

29/11/37

D.A.-Nil.

B.K.R.
29-11-37.
107

ISSUED
-9. DEC. 1937

...PARTMENT
...
2 - DEC. 1937
Serial No. 16981

D.S.

...to Pol & Rly Deptt ...
30/11 9/12/37

M M

P.T.O.

4/28

Public R. Deptt.

Seen and returned.

2/12/37.

CWA
3.12.37.

2/12/37

C. S.

U.O.N. 4 the P.W.D. of 3-12-37

(M.B) Submitted

2. The draft [illegible]

the same may now issue.

4-12-37

11/12/37.

Let draft be issued

A.S.

1 Sheet in 15/1/38
7.2.38

Note
Pl see file 1411/27

PUBLIC WORKS DEPARTMENT
P No. 2004/36
30 DEC 1937
P No.

WAC
3-1-

S 29 2004/36

No. 2004/36-hr
P.W.D.

Bangalore 21st February 1938

To

The Hon'ble the Resident in
Mysore & Chief Commr.
Coorg.

Sir,

Hydro-Electric projects in connection with the Gersoppa Falls.

I am directed to invite attention to Govt. this Govt. letter No. 2004/36- in S 7-12-37 and correspondence on the subject mentioned above and to request the favour of an early reply thereto.

I have the

18-2-38

ISSUED
24. FEB. 1938

A Secy.

Secy 19/4/38

Secy - 19/4/38

All communications should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. F. 1529-37
R.O. II

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,

Public Works Department.

Dated Bangalore, 8th March *1938.*

HYDRO-ELECTRIC PROJECT IN CONNECTION WITH THE GERSOPPA FALLS.

SIR,

With reference to your letter No.2004/36-M, dated the 21st February 1938, I am directed to say that the Government of Mysore have been addressed and that a further communication will be sent on receipt of their reply.

I have the honour to be,

Sir,

Your most obedient servant,

for SECRETARY TO THE RESIDENT.

2004/36
6377

832

M.B. P.W.D.

Submitted.

2. The receipt of a further ~~copy of~~ communication from the Secy. to the Hon'ble the Resident in Mysore may be awaited till the end of this month and then that officer will may be ~~requested~~ expedited, if necessary.

15.3.38.

19/3/38

Concl (1 - 2)
19/3

Mr Dikshit
21/4

PUBLIC WORKS DEPARTMENT
File 2004/36
10 MAR 1938
Serial No. 6377

Not to ...

2004/36

No.2004/36-M.
Public Works Deptt.
B.C., 11th April 1938.

To

The Hon'ble the Resident in Mysore
and Chief Commr., Coorg.

Subject:-Hydro-electric project in connection with the Gersoppa Falls.

...

Sir,

I am directed to invite attention to the correspondence ending with this Govt.letter No.2004/36-M, dated the 21-2-38 on the subject mentioned above and to request the favour of an early reply thereto.

I have etc.

D.A.-Nil.

M.K.P.
4-4-38.

Letter from the Secretary to the Hon'ble the Resident in Mysore, to the Chief Secretary to the Government of His Highness the Maharaja of Mysore, No.9852/323/1933, dated the 14th October 1933.

---:0:---

Gersoppa Falls - Hydro-electric project.

I am directed to refer to your letter No.Pol.1007, dated the 8th April 1931, and to forward, for the information of the Government of Mysore, a copy of a letter from the Government of Bombay, Public Works Department, No.1411/27-M, dated the 14th July 1933, with enclosures in original*. I am to enquire whether the Government of Mysore agree to the adoption of the joint recommendations with regard to the discharges to be let down the river on various dates between the 1st October of each year and the 15th February of the following year, and also to the supply to the Bombay Government, if required, of electrical power from the proposed scheme up to a maximum of 5,000 H.P., on reasonable terms to be agreed upon mutually by the two Governments (cf.paragraph 3 of Bombay Government letter No.1411/27-M, dated the 14th May 1930, a copy of which was forwarded to you, with letter No.4809, dated the 14th June 1930, from this Residency.)

2. I am to add that, subject to the above agreement, the Government of India have no objection to the proposed project being undertaken by the Mysore Government.

---:0:---

"C o p y"

Superintendent, Resident's Office.

NS

Letter from the Chief Secretary to the Government of His Highness the Maharaja of Mysore, No.Pol.187/C.B., dated the 20th August 1934.

---:0:---

I am directed to acknowledge the receipt of your letter No.9852/323-1933 dated the 14th October 1933 inquiring whether the Government of Mysore agree to the adoption of the joint recommendations with regard to the discharges to be let down the river on various dates mentioned therein, and also to the supply to the Bombay Government, if required, of electric power from the proposed scheme up to a maximum of 5000 E.H.P. on reasonable terms to be mutually agreed upon.

2. In reply, I am to state that the proposals made in the joint recommendations are acceptable to the Mysore Government and also to convey the thanks of the Mysore Government to the Government of India and the Government of Bombay for the readiness with which they have enabled this Government to come to a settlement and to proceed with the scheme.

---:0:---

"C o p y"

Superintendent, Resident's Office.

NS

Same as 1L letter at p.203 of file No 1411/27 II Sl.p I

Letter from the Hon'ble the Resident in Mysore, to the Political Secretary to the Government of India, Foreign and Political Department, No.F.724-34/R.O.II, dated the 6th September 1934..

---:0:---

GERSOPPA FALLS - HYDRO-ELECTRIC PROJECT.

* File 1411/27-II Sl.p I p-183

With reference to Memorandum from the Government of India, Foreign and Political Department, No.F.161-R/33*, dated the 30th August 1933, I have the honour to say that the Government of Mysore agree to the adoption of the joint recommendations with regard to the discharges to be let down the river on various dates between the 1st October of each year and the 15th February of the following year, and also to the supply to the Bombay Government, if required, of electrical power from the proposed scheme up to a maximum of 5,000 E.H.P., on reasonable terms to be agreed upon mutually by the two Governments.

2. The Government of Mysore have asked me to convey their thanks to the Government of India and to the Government of Bombay for the readiness with which they have enabled them to come to a settlement and to proceed with the scheme.

3. The enclosures to letter from the Government of Bombay, Public Works Department, No.1411/27-M*, dated the 14th July 1933, are returned.

i) 37 photographs of 1931-32.
ii) 36 -do- 1932-33.
iii) 38 other papers including ferro-prints.

---:0:---

"C o p y"

Superintendent, Resident's Office.

NS

41

All communications should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. F.1529-37 / R.O. II

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,

Public Works Department, Bombay.

Dated Bangalore, 5th April ~~March~~ 1938.

Hydro-Electric project in connection with the Gersoppa Falls.

SIR,

I am directed to refer to your letter No. 2004/36.M., dated the 7th December 1937.

2. The principal features of the project were communicated to the Bombay Government in Mr. S. G. Forbes' note, forwarded in letter from this Residency No. 11581, dated the 11th December 1929, and the comments of this Residency were given in letter No. 6293, dated the 24th July 1929, to the Political Secretary to the Government of India, a copy of which was sent by the Government of India to the Bombay Government. The Mysore Government write that there will be no material change in the project now under preparation.

3. The Bombay Government ask in what manner they will be allowed to participate in the scheme. The Mysore Government in reply refer to the understanding arrived at between them and the Bombay Government. The letter from the Bombay Government to the Political Secretary to the Government of India No. 1411/27-M, dated the 14th July 1933, was communicated to the Government of Mysore in letter from this Residency No. 9852/323/1933, dated the 14th October 1933. The Government of Mysore replied in letter No. Pol. 187/C.B., dated the 20th August 1934, and their conclusions were communicated to the Political Secretary to the Government of India in letter from

this

p-35

this Residency No. F.724-34/R.O.II, dated the 6th September 1934. Copies pp35-39 of these three letters are enclosed.

I have the honour to be,

Sir,

Your most obedient servant,

SECRETARY TO THE RESIDENT.

NS

PUBLIC WORKS DEPARTMENT
File No. 2004/36
- 7 APR 1938
Serial No. 8687

45 2004/36
8667

Public Works Deptt

N.B.

Submitted with reference to the orders at p. 3 ante.

2. The Mysore Govt.do not propose to make any material change in the project, the principal features of which will be found in Mr.S.G.Forbe's note vide pp.103-109 of file No.1411/27-Pt.I.

3. It has been agreed that the Mysore Darbar will supply power upto 5,000 E.H.P. to this Govt.on reasonable terms to be agreed upon mutually. The terms will now have to be settled. Attention is invited to the H.M., P.D's minute, dated the 29-11-37, at pp.17-18 ante. These papers may now be resubmitted to the H.M., P.W.D. as directed by him. p.19 Necessary further action will be taken on return of the papers from the H.M.

Thro: A.E.

M.K.P.
12-4-38.

12-4-38

13/4

14/4

Submitted for forwarded to H.M. P.W.D. for H.M. P.D.

18/4

19/4

I see little progress made in respect of the

points suggested by me at p/17 & p/18. Two things must be done now. Is Govt going to take up the project for execution & if so when? Secondly, is it not necessary, as suggested by R. L. A. (p/21), to put the agreement in a definite form? Such an agreement should provide machinery for fixing the price of electricity that Bombay Govt may take.

It is essential to know whether what time Govt expect to finish the installation. Otherwise the agreement may in the end mean nothing at all.

22/4/38

22/4

4) 2004/36
8607

P. W. Deptt.

(M.B.)

Lpcs 41

Submitted with ref. to the orders of the H.M.,F.D.

2. The Secy. to the Hon'ble the Resident in Mysore may, if approved, be addressed as per draft put up. On receipt of a reply from the Hon'ble the Resident, the El.Engr. to Govt. will have to be consulted as regards the terms of supply.

3. It will be necessary to put the agreement that may be reached with the Mysore Govt. in a definite form. This will, however, be done after the terms are finally agreed.

4. It is presumed that details of the project are not required by this Govt.

S.A.G.
26-4-38

2004/36
8687

48

No.2004/36-M.
P.W.D.,
B.C., 28 April 1938.

To
The Secy. to the Hon'ble the
Resident in Mysore,
Bangalore.

Subject:- Electric project in connection with the Gersoppa falls.

Sir,

With ref. to your letter No. F.1529-37/R.O.II, dated the 5th April 1938, I am directed to request that if there is no objection you will kindly ascertain and report the probable date by which the Govt. of Mysore propose to take up the project, mentioned above, for execution.

2. According to the arrangements arrived at, the Mysore Govt. have inter alia agreed to supply to the Govt. of Bombay, if required, electrica power to a maximum of 5,000 E.P.H. from the proposed Scheme on reasonable terms to be agreed upon mutually by the two Govts. The exact terms upon which the Govt. of Mysore propose to supply the electrical power may, therefore, kindly be ascertained and reported to this Govt. as early as possible.

I have etc.

D.A.
Nil.

ISSUED
29 APR 1938

2004/36
8687

No. 2004/36 M
Pr. 8
Bc 4th July 1938

To The Secy. to Hon'ble the
Resident in Mysore,
Bangalore.

Sir,

Subject: Electric project
in connection with the
Gersoppa falls.

I am directed to invite
attention to this Govt. Letter No.
2004/36-M dy 28-4-38 on the
subject mentioned above
and to request the favour of
an early reply thereto.

DM.
2/7/38

I have etc.

2/7/38.

ISSUED
6. JUL. 1938

51

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

R. Dis. No. F. 428-38 / R.O. II

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

TO

The Secretary to the Government of Bombay,
Public Works Department,
Bombay.

Dated Bangalore, the 6th July *1938.*

Electric project in connection with Gersoppa Falls.

SIR,

I am directed to refer to your letter No.2004/36.M., dated the 28th April 1938, and to say that the Electric Station at Jog is expected to be put into operation during the working season of 1940-41.

As regards the exact terms upon which power up to a maximum limit of 5000 E.H.P. will be supplied, the Mysore Government would like to know the exact amount of power required by the Bombay Government, and when they will be in a position to take it.

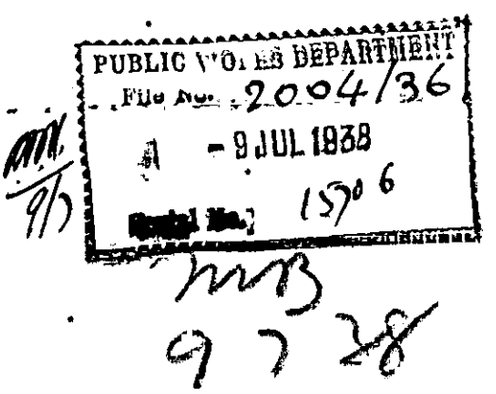
I have the honour to be,

Sir,

Your most obedient servant,

SECRETARY TO THE RESIDENT.

BJ


PUBLIC WORKS DEPARTMENT
File No. 2004/36
- 9 JUL 1938
1570 6

P.W.Deptt.

M.B.

Submitted with ref.to G.L.No.2004/36-M, dated the 28th April 1938 and the p.48 note p.45 of the H.M.,F.D., within.

2. As regards the exact terms upon which power upto a maximum limit of 5,000 E.H.P. will be supplied to this Govt. the Mysore Govt.wants p.51 to know the exact amount of power reqd.by this Govt.and when this Govt.will be in a position to take it. It is,therefore,necy.to ascertain the load that will be forthcoming. In this connection attention is invited to the p.15 note of the late Dy.Secy.,I.&.Rys.,dated the 25th Novr.1937. It has been separately proposed x that the El.Engr.to Govt.and the Dir.of Industries should jointly make a survey of the entire power resources of the Province of Bombay with a view to make electrical energy available both in urban and rural areas at cheap rates and the necy.orders are under submission. It seems desirable first to ask the Mysore Govt.to give at least an idea as regards rates at which that Govt.would supply electrical energy to this Govt.as it would help in collecting information re: load as well as in seeing whether any scheme that may be recommended by the El.Engr.to Govt.and the Dir.of Industries after they carry out the survey may not prove more economical. The Mysore Govt.Station is expected p.51 to be put into operation during the working season of 1940-41. Besides the Mysore Govt.has already p.39 agreed to supply to this Govt.,i

require

x File 2272/36 under submission to H.E.H.M's and H/C.

K.Gwalior received and being intimated separately

required, electrical power from the scheme upto a maximum of 5,000 E.H.P. There is, therefore, no special hurry. The El.Engr.to Govt.may be requested u.o.to offer his remarks.

B.K.R.
13-7-38.
313

14.7.38.

This note does not seem to bear taken into consideration the note of H.M.F.D. pages 45-46 ante, which would seem to indicate that the matter should not be delayed. It will however be difficult to answer the question asked by the Nizam Sahib unless we know approximately the rate at which electricity will be supplied by this. The El. Engr. to Govt. may see ab.

14/7

u/o to the Elec. Engr. to Govt.

Q 15/7

1-7

× Mkt Vol no 223 of 190409. & Rev Nos 1411/27, Pts I & II

ELECTRICAL ENGINEER
Invt. 1418
21 JUL 38
File No. D-17-B.
P. W. D., H.C.

Below U.O.R.No.2004/36 dated the 15th July 1938, from Government in the Public Works Department.

No. 417B/1407 of 1938.

Bombay, 21st July 1938.

Returned, with compliments.

2. The undersigned agrees with the Deputy Secretary's not that the Mysore Darbar be requested to state the approximate rate at which they will be able to supply power from the generating stations at the Falls.

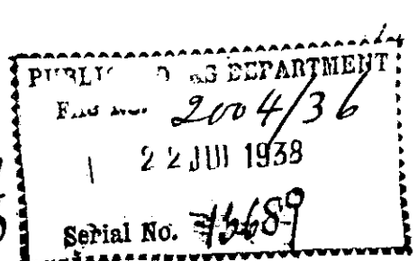
3. The attention of Government is invited to para.7 of this office No.D.17b/3408 dated the 4th March 1938, reproduced below:-

File 277/36 86 A 27

"7. The question of utilising power from the Gersoppa Falls has been carefully considered, but owing to the site of the supply being over 100 miles from Hubli which is the nearest source for a load of any consideration, the cost of a transmission line which would be in the neighbourhood of Rs.10,00,000/-, would be prohibitive".

Electrical Engineer to Govt.

P.


PUBLIC WORKS DEPARTMENT
File No. 2004/36
22 JUL 1938
Serial No. 4689

57

(This page should be read subject-wise P. 32433)

Extract para.3 of the O.N.dated 22-3-38 from file No.2272/36/5964.

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3. The Hon'ble the Resident in Mysore and Chief Commr.,Coorg, has been asked to supply details of the hydro-electric project which the Mysore Govt. are contemplating to start in conn.with the Gersoppa Falls and to inform as to the manner in which this Govt.would be allowed to participate in it. A reply from the Hon'ble the Resident is awaited.

Id. S.S.M.
22-3-38.

It is now 7 months since this question was raised in Secy's note (p.1) and meanwhile the subject has been discussed from many angles and by many people. I do not therefore think that there is any need to worry H.M.,P.W.D,with these papers now. A committee is being formed to investigate such questions on a comprehensive scale and the information now collected will no doubt be put before that committee by the El.Engr. to Govt.who is to be a member of it.

Id.R.H.H(ammett),
30-3-38.

As in Dy.Secy's note.

Id.N.B.B(axter),
31-3-38.

B.K.R.
12-8-38.
203

M.B. pp53-54

Submitted with ref. to the O.N. dated 14-7-1936 and the Dy. Secy's note, dated 14-7-1938.

2. Orders have since been issued in G.R.No. 2272/36, dated the 27-7-38 directing that the El. Engr. to Govt. and the Dir. of Industries should jointly make a survey of the entire power resources of the Province of Bombay with special reference to the possibility of establishing big central thermal and hydro power houses to generate electricity at cheap and economic rates and to put up a grid system inter-linking the various power houses in the Province of Bombay to make electrical energy available both in urban and rural areas at cheap rates and to submit their joint report as expeditiously as possible.

3. With ref. to para. 3 of the El. Engr's memo. No. D17-B/1407, dated the 21-7-38, attention is invited to the Dy. Secy's note, dated the 30-3-38. As the Committee therein referred to has been formed as will be seen from para. 2 above, it will no doubt examine the question under consideration and submit its report thereon. Meanwhile the draft overleaf may issue.

12/8/38

× copy placed at the commencement

× file 1939/36 slip A pp 29-30 (copy at p. 57)

2004/36 66

No. 2004/36. M.
P.W.D., B.C., 16 Aug. 1938.

To 17

The Secy. to the Hon. the Resident
in Mysore and Chief Commr., Coorg.

Subject:-Electric project in con.
with the Gersoppa Falls.

Sir,

With ref. to your letter No. R. Dis. 651
F428-38, dated the 6th July 1938 on the R.O.11
subject noted above, I am directed to request that you will kindly state the approximate rate at which the Mysore Govt. will be able to supply power from the generating stations at the Falls.

D.A.-Nil.

I have etc.

B.K.R.
12-8-38.

205

ISSUED
17 AUG 1938
17/8

17/8/38

13/8

17/8

17/8/38

17/8/38

11/10

61 2004/36

M.B.

Resubmitted with the necessary draft for approval.

11/10/38

No. 2004/36-M.
P.W.D.
B.C: 15 October 38

To.

The Secy. to the Hon. the Resident in Mysore and Chief Commr. Coorg.

Subject:- Electric project in connection with the Gersoppa Falls.

Sir,

I am directed to invite reference to this Govt. letter No. P.60 2004/36-M, dated the 17/8/38, on the subject noted above, and to enquire when a reply thereto may be expected.

11/10/38

I have etc;

11/10/38

ISSUED
19 OCT 1938

A.S.

Bombay Chronicle,

13th October 1938.

AN AMBITIOUS SCHEME.

The Gersoppa Falls, which is said to be the highest in the world, has so far defied the attempts to harness it to the service of mankind. It is welcome news, therefore, that the Bombay Government are devoting their earnest attention to the generation of electricity by utilising the vast natural energies available there. The scheme is no doubt ambitious, but, if successful, it will prove of immense benefit to the southern part of the province. The cheap electric power, which will be available, will be helpful in starting a number of industries, both large and small. It is to be hoped, therefore, that the efforts that are being made by the Hon. Mr. Nurie in this connection will be crowned with success.

Forwarded with compliments to:-

The Secretary to Government,
Public Works Department,

The Honourable Minister,
Public Works Department,

for information.

Oriental Translator to Govt.

15-10-38.

Submitted for information.

2. The facts are not as stated in the article overleaf published in the Bombay Chronicle" dated 13.10.38. It is the Mysore Govt who have undertaken the execution of the a big hydro-electric project at the Gersoppa falls. & that Govt have inter alia agreed to supply thier Govt, if required, electrical power up to a maximum of 5000 E.H.P on reasonable terms to be agreed upon mutually between the two Govts.

3. No action appears to be necessary in the article.

Dy Secy

Secy

Govt = 16/10 etc

14.10.38

15/10

No. Record

16/10

PUBLIC WORKS DEPT
File No. 2004/36
15 OCT 1938
Serial No. 23293

15-X-38

Letter from the Secretary to the Government of His Highness the Maharaja of Mysore, Electrical Department, No.E.D.S.1016, dated the 8th November 1938.

----:0:----

Electric Project in connection with the Gersoppa Falls.

- - -

I am in receipt of your letter No.R.Dis.F.428-38/ R.O.II, dated the 26th August 1938 stating that the Bombay Government would first like to know the approximate rate at which the Government of Mysore will be able to supply power from the Generating Stations at the Gersoppa Falls.

2. I am to state, in reply, that the Mysore Government will offer this block of power up to a maximum of 5000 E.H.P. at the rate of 0.25 of an anna per K.W. Hour unit as metered at the high tension buses of Mysore Government and delivered to the High-tension transmission line of Bombay Government, power being supplied at approximately 85,000 volts 3 phase and 25 or 50 cycles as will be decided later on by this Government.

----:0:----

" C O P Y "

SUPERINTENDENT, RESIDENT'S OFFICE.

67

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

R. Dis. No. F. 428-38 / R.O. II. Encl 1

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,
Public Works Department,
B o m b a y.

Dated Bangalore, the 22nd November *1938*.

Electric project in connection with the Gersoppa Falls.

SIR,

I am directed to refer to the correspondence ending with your letter No.2004/36-M, dated the 17th August 1938. p 60

2. I forward a copy of letter from the Government of Mysore, No.E.D.S.1016, dated the 8th November 1938. p 65

I have the honour to be,

Sir,

Your most obedient servant,

for SECRETARY TO THE RESIDENT.

VNS

PUBLIC WORKS DEPARTMENT
File No. 2004/36
25 NOV 1938
Serial No. 27016

p 62

Submitted with ref. to G.L.No.20 M, dated the 17-8-38 and the office n p 59 dated the 12-8-38, underlying it.

2. The Mysore Govt. p 63 is prepared to ply power from the generating station at Gersoppa Falls up to a maximum of 5,000 E.H.P: the rate of 0.25 anna per K.W.hour un as metered at the Mysore Govt. high t sion buses and delivered to the high sion transmission lines of this Govt. power being supplied at approximately 85,000 volts, 3 phase and 25 or 50 cyc to be decided later by the Mysore Gov

3. These papers may in the first in be refd. u.o. to the El.Engr. to Govt. for remarks with ref. to p 53 para.2 of his memo. No.D 17-B/1407, dated the 21-7-38

GR 9.12.38

Yes, as in para. 3 of our

Dy Secy

u/o to E/Engr

u/o. Collector-Supt. Stores. 12/12

Done

Supdt

12/12/38

Subject:-- Gersoppa Falls.

Hydro Electric Project.

No. M.S.C.330.

Belgaum, 20th March 1939.

From

The Commissioner, Southern Division;

To

The Secretary to Government,

Public Works Department, Bombay.

Sir,

In inviting a reference to the correspondence ending with Government endorsement, P.W.D., No. 1411/27-L, dated the 19th October 1934, I have the honour to enquire whether the terms on which electrical power upto a maximum of 5,000 E.H.P. would be supplied to the Bombay Government from the proposed scheme, have been agreed upon and, if so, kindly to let me know, if there is no objection, what they are.

× file 1411/27 II
p 207
with up-put up
if required.

Your most obedient servant,

for Commissioner, S.D.

RSB.

2004/36
-7551.

7 2

The main file has been referred to the El. Engr. to Govt. Its return may be expedited. x on 11.12.38

GH
24.3.39

28/3/39.

El. Engr to Govt expedited under his memo No 2004/36 m dated 28.3.39

GH
28.3.39

for expedition
28/3/39
OSD on 1/5/39

ADey
28/3
Ismail
31/3

m524/3

PUBLIC WORKS DEPARTMENT
File No. 2004/36
22 MAR 1939
Serial No. 7551

22-3-39

Estimates for power supply from the Gersoppa Falls power station to Hubli, Gadag, Dharwar and Belgaum.

(A) If it is proposed to transmit the power at 85,000 volts from the Mysore-Bombay Frontier to Hubli, Gadag, Dharwar and Belgaum, the following statement gives the approximate costs.

I	(a)	100 miles double circuit power lines (85,000 V.) from the Frontier to Hubli, a service telephone line and ~~service~~ step down transformer station 2000 K.V.A. and necessary switchgear.	Rs.19,27,000
	(b)	Switchgear and protective apparatus for sectionalizing the main transmission line.	Rs. 50,000
II		36 miles of single circuit power line (85,000 V.) and telephone line, Hubli to Gadag, step down transformer station,(1500K.V.A.) at Gadag.	4,73,200
III		12 miles of single circuit power line (85,000 V.) and telephone line from Hubli to Dharwar and a step down transformer station 600 K.V.A. at Dharwar.	Rs. 2,22,400
IV		50 miles of single circuit power line 85,000 V. and telephone line from Dharwar to Belgaum and step down transformer station of 900 K.V.A., at Belgaum.	Rs. 6,05,000
			Rs.32,77,600

(B) If it is possible to use all the power (5000 H.P.) at Hubli, the total capital cost will be Rs.20,27,000

Under conditions (A) and (B) the depreciation charges are as noted below:-

	A.		B.	
	Capital cost	Depreciation	Capital cost	Depreciation.
	Rs.	Rs.	Rs.	Rs.
2½% on transmission line	24,55,600	61,390	16,27,000	40,675
5% on transformer switchgear and condenser	4,62,000	23,100	2,50,000	12,500
2% on station buildings & quarters	2,50,000	5,000	1,00,000	2,000
		89,490		55,175

Calculation of annual charges.

	A.	B.
Interest at 3½% on capital (A) 32,77,600, (B) 20,27,000	1,14,716	70,945
Depreciation charges.	86,990	53,825
Establishment charges	59,880	24,120
Maintenance charges.	15,000	6,000
	2,76,586	1,54,890

If 5000 H.P. are made available and we allow a loss of 15% and an overall load factor of 30%

5000x746x30x8760 units x.85 actually sold.

= 8,332,100 units.

Condition (A) Extra cost per unit sold.

$$\frac{2,76,586 \times 16}{8,332,100} = 0.53 \text{ anna.}$$

Condition (B) Extra cost per unit sold.

$$\frac{154,890 \times 16}{8,332,100} = 0.29 \text{ anna.}$$

This cost will be in addition to the charges to be paid per unit, when taken in block.

Operation and maintenance charges.

Staff required at each of the step down transformer stations.

Staff.

4 operators at Rs.100/- per month	Rs.4,800	per year.
10 station helpers at Rs.20/ "	2,400	"
Storekeeper clerk at Rs.40/ "	480	"
Store attendant at Rs.20/ "	240	"
2 colony sweepers at Rs.10/ "	240	"
	Rs.8,160	per year

Transmission line staff:-

Condition (A)

5 Line Inspectors at Rs.100/ per month		Rs.6,000 p.year
6 Head linemen at Rs.30/-	"	2,160 "
60 Line men at Rs.20/	"	14,400 "
1 Clerk at Rs.40/	"	480 "
		Rs.23,040 "

Condition (B)

3 Line Inspectors at Rs.100/ per month		Rs. 3,600 p. yea
3 Head linemen at Rs.30/	"	1,080 "
30 Linemen at Rs.20/	"	7,200 "
1 clerk at Rs.40/	"	480 "
		Rs.12,360 "

Condition A.

Establishment charges for 4 step down Transformer Stations at Rs.8,160	Rs.32,640
Establishment charges for the transmission lines.	23,040
Establishment charges for one sectional Assistant Engineer at Rs.300/-	3,600
Establishment charges for the sectional office	600
	Rs.59,880

Condition B.

Establishment charges for 1 step down Transformer Station	Rs. 8,160
Establishment charges for the transmission line	12,360
Establishment charges for one Assistant Engineer at Rs.300/-	3,600
	Rs.24,120

79

ABSTRACT.

Hubli.

100 miles double circuit transmission line 80,000 at Rs.15,000/- per mile.	Rs.15,00,000
100 miles telephone line at Rs.1,100/- a mile.	1,10,000
Transformer centre and Syn. condenser at Hubli. (say)	1,50,000
4 River crossings at Rs.2,000/-	8,000
6 road crossings at Rs.1,000/-	6,000
Telephone apparatus for the line and station	3,000
Sub station and office buildings and quarters at Hubli and at places along the transmission line	1,00,000
Tools and plant, transportation lorries and supervision.	50,000
	Rs.19,27,000

Gadag.

36 miles of single circuit transmission line at Rs.7,100/- per mile	Rs. 2,55,600
36 miles of telephone line at Rs.1,100/- per mile	39,600
Transformer centre at Gadag.	98,000
4 river crossings at Rs.1,500/-	6,000
2 road crossings at Rs.750/-	1,500
1 Railway crossing at Rs.1,500/-	1,500
Telephone apparatus	1,000
Station and office buildings and quarters	50,000
Tools, plant and supervision.	20,000
	Rs.4,73,200

Dharwar.

12 miles of 80,000 volts single circuit transmission line, from Hubli to Dharwar at Rs.7,100/- per mile.	Rs. 85,200
12 miles of telephone line at Rs.1,100 per mile.	13,200
Transformer centre at Dharwar	75,000
1 Railway crossing at Rs.1,500/-	1,500
2 Road crossings at Rs.750/-	1,500
Telephone apparatus Rs.1,000/-	1,000

Dharwar. (Continued)

Station and office buildings and quarters	Rs.	40,000
Tools and plant and supervision.		5,000
		Rs.2,22,400

Belgaum.

50 miles of 80,000 Volts, single circuit transmission line, Dharwar to Belgaum at Rs.7,100/- per mile	Rs.	3,55,000
50 miles of telephone line at Rs.1,100/- per mile		55,000
Transformer centre at Belgaum		89,000
4 River crossings at Rs.1,500/-		6,000
4 Road crossings at Rs.750/-		3,000
Telephone apparatus		2,000
Station and office buildings and quarters.		60,000
Tools, plant and supervision.		35,000
		Rs.6,05,000

Cost per mile Double Circuit Transmission line, 80,000 Volts
(8 standard structures and 2 special structures per mile).

Particulars.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Poles 45 ft. long heavy type.	32	100	each	3,200
Cross arms for suspension units.	16	50	"	800
Suspension insulator strings with hardware.	48 sets.	40	set	1,920
Special structure 3 pole type.	2 "	700	"	1,400
Special structure 2 pole type	2 "	600	"	1,200
Ground wire supports.	20 "	10	"	200
Copper conductor No.1 B.&S. (Equ.to No.2 S.W.G.)	8172 lbs. (6 miles)	0-7-0	lb.	3,575
3/8" ground wire	2 miles	100	mile	200
Anchors & guy sets	10 sets	15	set	150
All miscellaneous materials required for, structures and wiring.	-	-	-	150
Erecting structures and painting	20 "	25	set	500
Stringing conductors.	6 miles	40	mile	240
Stringing ground wire	2 "	30	"	60
Jungle clearing and survey	1 "	200	"	200
Transportation charges	-	-	-	500
Contingencies at 5%	-	-	-	715
				15,010

Say Rs.15,000-0-0

85

Single circuit transmission line 80,000 Volts. (8 standard structures and 2 special structures per mile).

Particulars.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Poles 45 ft. long heavy type.	16	100	pole	1,600
Cross arms for suspension insulators.	8 sets	50	set	400
Suspension insulator strings complete with hardware.	24 "	40	"	960
Special structure 3 pole type	1	700	each	700
" " 2 pole type	1	600	"	600
Ground wire support extension	10 "	10	set	100
Copper conductor No.2 B.&S.	3246 lbs. (3 miles)	0-7-0	lb.	1,420
3/8" ground wire	1 mile	100	mile	100
Anchor and guy sets.	5 sets	15	set	75
All miscellaneous materials for structures and wiring.	-	-	-	75
Erecting structures and painting.	10 "	25	set	250
Stringing conductors.	3 miles	40	mile	120
Stringing ground wire.	1 "	30	"	30
Jungle clearing and survey	1 "	100	"	100
Transportation charges.	-	-	-	250
Contingencies at 5%	-	-	-	340
				7,120

say Rs.7,100-0-0

Cost of a Telephone line per mile.

Particulars.	Quantity.	Rate.	Per.	Amount.
		Rs.		Rs.
Poles 26 ft. long	24	20	pole	480
Telephone cross arms.	24	2	each	48
Insulators and pins	48	0-12-0	"	36
Extra structure for curves and dead ends	1	25	"	25
Transposition cross arms	4	1- 8-0	"	6
No.10 SWG Copper telephone wire (.013 sq.in.)	2 miles	120	mile	240
Guy sets, anchors	3 sets	10	set	30
Erection of poles	25	4	each	100
Stringing wire	2 miles	25	mile	50
All miscellaneous materials	-	-	-	25
Jungle clearing	-	-	-	30
Contingencies at 5%	-	-	-	53
				1,123

Say Rs.1,100-0-0

Receiving Stations.

Hubli.

Outdoor station structure.	Rs. 3,000
Lightning arresters 75 KV (2 sets)	10,000
H.T. switchgear for the lines and transformers	50,000
2 transformers, each of 1000 KVA 75,000/110,000 Volts 3 phase 50 cycles	30,000
L.T. switchgear and control apparatus	10,000
Synchronous condenser 2000 KVA and switchgear	36,000
All auxiliary apparatus and materials	2,000
Cost of installing all apparatus and machinery	2,000
Contingencies at 5%	7,150
	1,50,150

Say Rs.1,50,000-0-0

Gadag.

Outdoor station structure	Rs. 3,000
Lightning arrester 85 KV 2 sets	10,000
H.T. switchgear for the lines and transformer	37,500
2 transformers each of 750 KVA 75,000/110,000 Volts 3 phase 50 cycles	22,000
L.T. switchgear and control apparatus.	10,000
Induction regulator	7,500
All auxiliary apparatus and materials	2,000
Installing the above	1,500
Contingencies at 5%	4,675
	98,175

Say Rs.98,000-0-0

Belgaum.

Outdoor station structure.	Rs. 3,000
Lightning arresters 75 KV 2 sets	10,000
H.T. switchgear for the lines and transformers	37,000
2 transformers each of 450 KVA 75,000/110,000 Volts 3 phase 50 cycles	14,000
L.T. switchgear and control apparatus	10,000
All auxiliary apparatus and miscellaneous materials	2,000
Induction regulator	7,000
Installing the above	1,500
Contingencies at 5%	4,250
	89,750

Say Rs.89,000-0-0

Dharwar.

Outdoor station structure	Rs. 3,000
Lightning arresters 75 KV 2 sets	10,000
H.T. switchgear for the lines and transformers	37,500
2 transformers each of 300 KVA 75,000/110,000 Volts 3 phase 50 cycles	10,000
L.T. switchgear and control apparatus	8,000
All auxiliary apparatus and miscellaneous materials	2,000
Installing the above	1,200
Contingencies at 5%	3,585
	75,285

Say Rs.75,000-0-0

Power Station Buildings and Quarters.

At each transformer station

Station buildingoffice and stores 4 sets at Rs.10,000/-	Rs. 40,000
Staff quarters at each receiving station 4 sets at Rs.25,000/-	1,00,000
Quarters for the transmission line staff 8 centres at Rs.10,000/-	80,000
Linemen's sheds along the line 15 centres at Rs.2,000/-	30,000
	2,50,000

R.

Report about the approximate cost of transmitting 5,000 H.P. from the Mysore-Bombay frontier near Gersoppa Falls, to Hubli, Gadag, Dharwar and Belgaum.

The cost of the line from Gersoppa Falls to Hubli, which is the nearest distributing centre for load, including the necessary transformers, telephone lines and switchgear, etc. would amount to approximately Rs.20,27,000. Should it be possible to dispose of all the current in Hubli, the actual cost of the same would be 0.29 anna per unit, plus the cost at the Gersoppa Falls, viz. 0.25 anna per unit = 0.54 anna per unit. As there is not at present sufficient load at Hubli for utilising the 5,000 K.W., the same could be distributed to Gadag, Dharwar and Belgaum, but the cost would be excessive, i.e. 0.53 anna per unit, plus 0.25 anna per unit = 0.78 anna per unit.

2. Detailed estimates of the above project are enclosed. It is requested that the Mysore Government be addressed in the matter to give a lower rate. It is suggested that 0.125 anna per K.W.hour metered at the Gersoppa Falls Station would allow of distribution and resale at competitive rates, as the rate quoted by the Mysore Government, viz. 0.25 anna per unit is prohibitive.

Electrical Engineer to Govt.

P.

U.O.R.No. 37 dated 4th April 1939, to Government in the Public Works Department.

Asst. pp. put up

PUBLIC WORKS DEPARTMENT
File No. 2004/36
5 - APR 1939
Serial No. 869

M.B.

Submitted with ref.to the p 69 O.N. dated the 9·12·38

2. The cost of transmitting energy from the Gersoppa Falls to Hubli is p 73 estimated by the El.Engr. at Rs 20,27,000 or at 0.29 annas per unit, if the whole is utilised at Hubli. As however, the load at Hubli is not sufficient, energy will have to be distributed to Gadag, Dharwar and Belgaum, the cost of which is estimated at Rs 32,77,600 or at .53 annas per unit. The cost per unit therefore works out to .78 annas per unit which the p 93 El.Engr. considers excessive. The El. Engr. therefore suggests that the Mysore Govt. be addressed to reduce the rate from .25 to .125 annas per unit so as to allow of distribution and resale at competitive rates. It is accordingly for consideration when the Mysore Govt. be addressed in the matter.

.25
.53
.78 annas per unit

3. With ref.to p 71 enquiry made by the Commr., S.D. he may if approved be informed as per draft put up.

C.R.
17.4.39

Think the Mysore Govt. should be asked to reduce the rate

18/4

Dy Secy

Secy

Hon PWD

Yes
18/4

H.M. PWD

2004/36 96

No. 2004/36. M.
P.W.D.,B.C., 29th April 1939.

Memo.

Subject:-Hydro electric project at Gersoppa Falls.

With reference to his letter No. M.S.C.330,dated the 20-3-39, the Commr., B.D., is informed with compliments that the Mysore Govt. is prepared ~~at present~~ to supply power from the generating stations at the Gersoppa Falls up to a maximum of 5,000 E.H.P.at the rate of 0.25 anna per K.W.unit as metered at the Mysore Govt. high tension busses and delivered to the high transmission lines of this Govt., power being supplied at approximately 85,000 volts, 3 phase, and 25 or 50 cycles to be decided later by the Mysore Govt. The matter is under consideration of Govt:

By order of the Govr.of Bombay,

B.K.R.
12-4-39.
345

GR. 17.4.39

MM. 18/4

Please see P 95 also.

18/4

Dy Secy

MM. PKB.

19/4

Secy PW. Receipt of his letter dt 24/3 which was read out on 28/4/39 Or

Secy 29/4/39

L K 29/4

No. 2004/36. M.

Public Works Department.

Bombay Castle, 29th April 1939.

Memorandum.

Subject:-Hydro electric project at Gersoppa Falls.

With reference to his letter No.M.S.C.330, dated the 20th March 1939, the Commissioner, Southern Division, is informed, with compliments, that the Mysore Government is prepared to supply power from the generating stations at the Gersoppa Falls up to a maximum of 5,000 E.H.P. at the rate of 0.25 anna per K.W.unit as metered at the Mysore Government high tension buses and delivered to the high tension transmission lines of this Government, power being supplied at approximately 85,000 volts, 3 phase, and 25 or 50 cycles to be decided later by the Mysore Government. The matter is under consideration of Government.

By order of the Governor of Bombay,

Deputy Secretary to the Government of Bombay, Public Works Department.

D.A.-Nil.

Typed by B.K.R.
29-4-39.

Compd.by
161

ISSUED
1. MAY 1939

2004/36

Resubmitted with reference to the notes at p. 95 ante.

A draft letter to the Secy to the Hon'ble the Resident in Mysore is put up for approval.

8.5.39

8/5.

99 2004/36

No.2004/36-M.
P.W.D.,B.C., 13th May 1939.

To

The Secy.to the Hon.the Resident
in Mysore, Bangalore.

Subject:-Hydro-Electric project in con.
with the Gersoppa Falls.

Sir,

I am directed to refer to your letter No.R.Dis.F.428-38 (P67 R.O.-II), dated the 22-1 (P6 3 1938, communicating the offer of the Mysc Govt.to supply this Govt. with power up to a maximum of 5,000 E.H.P. at the rate of 0.25 of an anna per K.W.Hour unit as metered at the high tension buses of the Mysore Govt.and delivered to the high tension transmission line of the Bombay Govt. power being supplied at approximately 85,000 volts 3 phase and 25 or 50 cycles to be decided later by the Mysore Govt. I am to state that the Govt.of Bombay consider the rate of .25 anna per K.W.H. unit as prohibitive and that a lower rate should be offered. I am accordingly to request that the Mysore Govt.may kindly be moved to reconsider the matter and reduce the rate to at least .125 anna per K.W.H.unit as metered at the Gersoppa Falls Station so as to allow of distribution and resale of electric energy by this Govt.at competitive rates.

GR 8-5-39

I have etc.

D.A.-Nil.

B.K.R.
8-6-39.
227

ISSUED
17 MAY 1939

MMPKD 13/5 8/5 8/5 11/5

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

R.Dis. No.- F. 428-38 / G & A.

FROM

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,
Public Works Department, Bombay.

Dated Bangalore, the 26th June *1939*.

Hydro-Electric project in connection with the Gersoppa Falls.

SIR,

I am directed to refer to the correspondence ending with your letter No.2004/36.M., dated the 13th May 1939.

2. The Government of Mysore say that an estimate of the cost of conversion of the power from 25 cycles to 50 cycles, and of transmission to Hubli which presumably will be the main centre of consumption, indicates that with a charge of 0.25 anna per unit at the High tension buses of the Government of Mysore, the cost to the Bombay Government of power delivered at Hubli will be about 0.57 anna per unit. The Government of Mysore are of the opinion that the difference between this cost and the average selling price will be ample to cover the costs of distribution and will leave a reasonable profit. They therefore regret that they are unable to reduce the price to 0.125 anna per unit.

I have the honour to be,
Sir,
Your most obedient servant,

for SECRETARY TO THE RESIDENT.

06/36. 102.

Submitted with reference
p99
to G.O. No 2004/36 m, dated the 13.5.39.

2. The Mysore Govt. is p101 unable
to reduce the rate from 0.25 anna
to 0.125 per unit for the supply of
electrical energy from the Gerusoppa falls. The papers
may if approved be referred
to the El. Engr. to Govt. for
remarks with reference to para.
2 of his memo p93 No. 37 dated the
4.4.1939.

GP.
30.6.39

20/6

To the Chief Elec. Engr. & Ex-Officio
Secy to Govt.
P.W.D.

To the Chief Elec. Engr. & Ex-Officio Secy to Govt

P. W. D.
4 JUL 1939

PUBLIC WORKS DEPARTMENT
File No. 2004/36
28. JUN. 1939
Serial No. 1543

MB
28-6-39

V. urgent -

Please put up all the papers connected with Gorakhpur Tal Electric Scheme - Have submit- report - & Govt has agreed to allow Engr to withdraw work for Electric Scheme this State -

7/8/39

~~The case was referred to~~ ~~Secretariat back~~. Pl. put it up as desired by Hon PWD

6/8

Submitted,

a. The papers in question (Note 2004/36) have been opened vide letter Cl. Engr. to Govt on 30.6.39. The Cl. Engr. to Govt may be requested vide to return them, at once being required by Hon. P.W.D.

G.P.
8.8.39

8/8

Very Urgent
vide letter Supdg Engr dated 8/8

L. OFFICIAL DIARIST
TO GOVERNMENT
Inward No. 2241.
11 AUG 39
File No. 273
I. W. D., POONAH

8/8/39

Dy Secy
vide E.E.

Below U.O.R.No.2004/36 dated the 8th August 1939, from Government in the Public Works Department.

No.8178/1804 of 1939.
Bombay, 11th August 1939.

Returned, with compliments, together with U.O.R.dated the 1st July 1939.

2. With reference to the letter from the Secretary to the Hon'ble the Resident at Mysore (page 101), the power is required for use in the Bombay Province at a periodicity of 50 and not 25. With regard to the cost of 0.57 anna per unit delivered at Hubli, this would be for use entirely in Hubli, as stated in my report on page 93. It is essential that power should be available for the nearby towns of Gadag, Dharwar, etc., when the actual cost for the latter places would be in the neighbourhood of 0.78 anna per unit, with a cost of 0.25 anna per unit at Gersoppa, which is prohibitive.

3. The estimated cost of the civil works and the plant at the Falls is not definitely known, but on page 158 of file No.1411/27, under "net revenue", the cost of 0.25 anna per unit is given as the cost of generation, transmission and distribution, presumably based on the Rs.448-2/3 lakhs cost of the Project As the power required for use in the Bombay Province would be taken direct from the station bus-bars, no transmission or distribution cost need be calculated. It is essential that not more than 0.125 anna per k.w.hour be paid for the current for use in the Bombay Province; otherwise, it would be a more economical proposition to instal a steam station at Hubli.

4. The cost of the Tata Power Companies' current, including management, Agents' commission, depreciation, interest, transmission and distribution in Bombay, is in the neighbourhood of 0.25 anna per unit. The actual cost at the generating stations is very considerably less. The request, therefore, made to the Mysore Government is not an unreasonable one. The cost of 0.125 anna per k.w.hour should be well above the cost per k.w.hour at the generating station.

5. No mention appears to have been made regarding "water

"water rights", nor does any definite agreement appear to have been made; but an arrangement has been arrived at between the Government of Bombay and the Government of Mysore through the Government of India. In this connection, reference is invited to The Resident at Mysore's letter No.6293 dated the 24th July 1929, para.5 (page 91 of File No.1411/27 I), as also the Government of Bombay's letter No.1411/27 dated 14th March 1928, para. 6 (page 70), regarding the charges to be made for the power to be made available for the Bombay Province.

File 1411/27 I p 67

Encl - Files 1411-27 I & 1411-27 II.

Electrical Engineer to Govt.

P.

1411(2) I&N

PUBLIC WORKS DEPARTMENT
File No. 2004/36
11. AUG. 1939
Serial No. 18978

Submitted with reference to the H.M. p103 ante note, dated 5-8-39.

The file regarding the Gersoppa fall electric project has since been returned by the Electrical Engineer to Govt.

3. The Bombay Govt. had no objection to the Mysore Govt. utilizing the waters of the Shervati River for the generation at the Gersoppa falls of 10,000 E.H.P. and to develop the same to 20.000 E.H.P. a little later provided that the Mysore Govt. agreed to let down the river the stipulated discharges of ~~the~~ water on various dates between the 1st of Oct. of each year and the 15th of February of the following year as it was considered that the intersts of this Govt. would be sufficiently secured thereby. The Mysore Govt. also agreed to supply this Govt. with electrical power from the project up to a maximum of 5000 E.H.P on reasonable terms to be agreed upon by the two Govts. The Mysore Govt. ~~is~~ now prepared to supply power from the generating station at the falls up to a maximum of 5000 E.H.P. at 0.25 anna per K.W. hour unit as metered at the Mysore Govt. high tension buses and delivered to the high tension transmission line of this Govt., power being supplied at approximately 85,000 volts, 3 phase and 25 or 50 cycle to be decided later by the Mysore Govt. The rate of .25 anna per unit is considered ~~a~~ prohibitive by this Govt. but the Mysore Govt. has regretted its

inability

α file 1411/27 II p172 at A

× — do — p203

p65

p101

inability to reduce the ~~rate~~ price to 0.125 anna per unit as request by this Govt. In this connection reference is requested to the remarks made by the El.Engr. to the Govt. pp.105-107

GR 12.8.39

The Case re the Sivasamudram Falls is submitted herewith. In the letter pages 105 & 107 ante, the El. Engr. to Govt. has clearly explained the position, the matter must be further taken up with the Mysore Govt.

14/8

Dy Secy

Secy

H m P.W.D

Submitted.

The case has been clearly explained by the El. Engineer. The tariff of 5000 E.H.P. to Bombay was the on 'reasonable terms' that agreed upon, and was evidently meant as a 'concession' The terms offered by Mysore can hardly be called 'reasonable' When we consider the rate at which Business Firms like Tatas, sell power to 'bulk' Consumers round about Bombay. If the terms of this tariff, as proposed by the El. Engr, cannot be agreed to by Mysore, the question of surrendering the 'water-rights' of this Presidency

will require further careful consideration.

NG 7/8

H. M., P. W. D. The views are not beneficial to Govt: of Bombay. The case should be further investigated from our point of view and very carefully considered and before Govt. be informed that under this Circumstance Govt. of Bombay will not agree to their using the Barrages for generating electricity.

Sept.
1/8
1939

NG 9/8

9/8

9/8

M.B.

Submitted with ref. to the notes at p. 110-111

2. In Feb. 1928, the Hon. the Resident in Mysore requested to be favoured with the views of this Govt. on the proposal of the Mysore Govt. to utilise the water falls at Gersoppa on the Sheravati River for the development of hydro-electric power. From its source upto a point about 3/4 mile upstream from the Falls, the Sheravati River lies wholly in the Mysore Ternitory and from there downwards for a distance of about 8 miles, the river lies between the Mysore and Bombay territory, and thereafter the river is wholly in the Province of Bombay.

3. The questions connected with the scheme so far as the Bombay Govt. is concerned are brought out in G.L.No. 1411/27-M, dated the 14-3-28 and the G. of I., For. and Pol. Deptt. This Govt. had no objection to the proposed project of Mysore Durbar, subject inter alia to the condition that in return for the concession permitted by this Govt., this Govt. ought to get something viz. that in case the need for power in bulk for industrial and other purposes arises in the adjoining areas in the Presy., the Mysore Govt. should grant such power at some limited concessional rate which might be a certain percentage less than the rates then charged by them for similar supply in state territory.

4. With regard to this point, the Govt. of Mysore in their letter No. Pol. 1094/

P.P./106-27-10, dated the 26/27-4-1929, to the Secy. to the Hon. Resident in Mysore ~~remarking~~ remarked that 5,000 E.H.P. could if desired be supplied to neighbouring places in the Bombay Presy. on suitable terms. In para. 5 of his letter No. 6293/Enc. 4-5/61/1903, dated the 24-7-1929 to the G. of I. For. & Pol. Deptt., the Resident in Mysore recommended that the G. of I's sanction should be given subject to the conclusion of a satisfactory agreement between the Govt. of Bombay and Mysore in regard to the supply of electrical power (ref'd. to in para. 3 above).

∝ pln 1411/27 I p89

4. In G.L.No. 1411/27-M, dated the 14-5-30, the G. of I., For. & Pol. Deptt. was informed that this Govt. would not oppose the project on the condition that the Mysore Govt. guaranteed that the existing average volume of flow over the Falls ~~will~~ would be maintained during each month from Nov. to end of the following March. With regard to the needs of this Province in the matter of electricity generated at the Falls, ~~the Govt.~~ the quantity of 5000 E.H.P. proposed to be supplied by the Mysore Govt. to this Province, if required, on reasonable terms to be agreed upon mutually, was intimated as being considered sufficient.

— do — p177

6. The final reply in the matter of consent of this Govt. to the project of the Mysore Durbar was communicated to the G. of I., ~~Pol.~~ For. and Pol., Deptt. in G.L.No. 1411/27-M, dated the 14-7-1933 in the following terms:-

∝ - pln 1411/27 II p171

"I am accordingly to state that this Govt. has no objection to the Mysore

Durbar

Durbar undertaking the proposed project subject to the scenic effect of the Gersoppa Falls being safeguarded during the fair season by agreement on the part of the Durbar to the adoption of the joint recommendation ~~xfxs~~ refd. to above with regard to discharge to be let down the river on various dates between the 1st Oct. of each year and the 15th Feb. of the following year."

7. The recommendation made by the officers of the two Govts. who were deputed to ~~fixhxr~~ settle this matter in conference is that the Mysore Govt. could be allowed to draw water from the river to the extent noted below during the several months of the year without the likelihood of making any difference in the scenic effects of th Falls:-

Months.	Discharge that the Mysore Govt. may be permitted to draw.
Octr.) Novr.)	190 cusecs.
Decr.	95 cusecs subject to a minimum flow of 400 cusecs being maintained in the river during the month.
Jany.	(i) When the normal discharge is over 400 cusecs, the quantity in excess of a minimum discharge of 400 cusecs.
	(ii) When the normal discharge is below 400 cusecs, the discharge to be let down the river to be fixed at different figures* on different dates. ~~as per col 3 of the statement.~~
Feb.-	Full normal discharge to be let down the river as per av: figures specified for different dates as per col. 3 of the statement.

*The discharge to be regulated at the regulator sluice in the Power Reservoir.

The consent of the Govt. of India to

the

the hydro electric project subject to the following agreement was communicated in their memo.No.F.161/R/33,dated the 30-8-1933 to the Hon.the Resident in Mysore:-

file 1411/27 II
b185

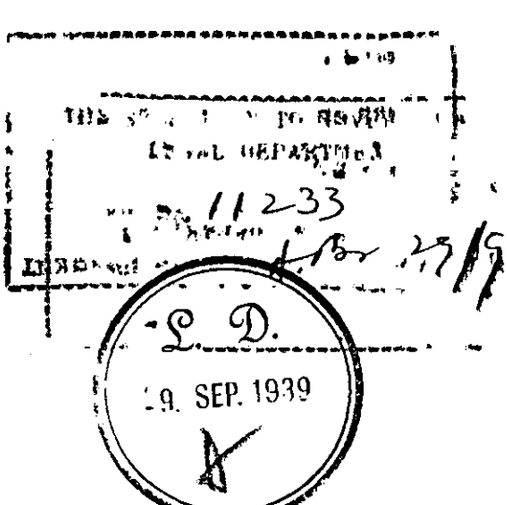
"That the Mysore Govt. agree to the adoption of the joint recommendations with regard to the discharges to be let down the river on various dates between the 1st Oct.of each year and the 15th Feb. of the following year and also to the supply to the Bombay Govt.if required,of electrical power from the proposed scheme to a maximum of 5000 E(P.H) on reasonable terms to be agreed upon mutually by the two Govts."

8. It is needless to add that the Mysore Govt. agreed to these terms. In view of the circumstances stated above, the R.L.A. may be requested to advise whether in the event of the Mysore Govt.not agreeing to the rates of supply proposed by this Govt.,this Govt.may not agree to their using the Gersoppa Falls for generating electricity.A draft letter to the Hon. the Resident in Mysore is put up for approval in terms of the b185 memo.from the El.Engr.and may,if approved, be issued. After issue of the papers may be refd. u.o.to the R.L.A. for his opinion.

" — do —
b203

GR
19.9.39

19/9



u.o. to the R.L.A (with ref. 1411/27 I & II)
29/9

28 of 32

No.2004/36-M.
P.W.D.,B.C., 25th Septr.1939.

To

The Secy.to the Hon'ble
the Resident in Mysore.

Subject:- Hydro-electric project in connection with the Gersoppa Falls.

.....

Sir,

With refce.to your letter R.Dis.No. F.428-38/G & A, dated the 26-6-39, I am directed to state that the terms on which the Mysore Govt. are prepared to supply electric energy from the generating station at the Gersoppa Falls are not beneficial to this Govt. The cost of 0.57 anna per unit delivered at Hubli would be for use entirely at Hubli. It is however essential that power should be available for the nearby towns of Gadag, Dharwar, etc., when the actual cost for the latter places would be in the neighbourhood of 0.78 anna per unit, with a cost of .25 anna per unit of power delivered at Gersoppa which is prohibitive I am to state that power is reqd. for use in the Province of Bombay at a periodicity of 50 and not 25 cycles.

2. The estimated cost of the civil works and plant at the Falls, is not definitely known to this Govt. It appears however, from the figures given by Mr. Cadambi in his paper on "the Harnessing of the Gersoppa Falls" that the cost of the generation, transmission and distribution will be about at 0.25 anna per unit, presumably based on Rs.448$\frac{2}{3}$ lakhs

he cost of the project. As the power
d. for use in the Province of Bombay
uld be taken direct from the bus bars,
o transmission or distribution need be
alculated. The cost of the Tata Power
oys' current, including management,
gents' commission, depreciation, in-
erest, transmission and distribution in
Bombay, is in the neighbourhood of .25
nna per unit. The actual cost at the
enerating station is very considerably
ess. This Govt., therefore, considers
hat the cost of .125 anna per K.W.H.
hould be well above the cost per K.W.H.
t the generating station at Gersoppa.
he request of this Govt. that power
hould be supplied at the rate of .125
nna per K.W.H. unit as metered at the
ersoppa Falls, is therefore not unreason-
ble, and unless this rate is charged
or the current for use in this Province,
t would be more economical to install
a steam generating station at Hubli.

4. In conclusion, I am to invite refce.
o the correspondence ending with the Hon'ble
he Resident in Mysore's letter No.F.
24.34/R.O.11, dated the 6-9-39, to the
ovt. of India, Foreign & Poll.Deptt.,
nd to request that, in the light of the
emarks made above, the Mysore Govt. may
indly be moved to reconsider their de-
ision and to agree to supply electrical
ower generated at the Gersoppa Falls at
the rate of .125 anna per unit.

I have etc.

9.9.39

D.A.- Nil.

ALL/18/9.

ISSUED
27. SEP. 1939

Office of the R.L.A.

It is not understood how any question of law is involved in this case. As pointed out in the opinion of the Remembrancer of Legal Affairs at page 21 ante the agreement with the Mysore Government will be of a political character and the conditions thereof will have to be settled by the administrative department through the Crown Representative. Under these circumstances the Remembrancer of Legal Affairs is unable to give any opinion or to advise whether in the event of the Mysore Government not agreeing to the rates of supply proposed by the Bombay Government, the Bombay Government may not agree to the Mysore Government using the Gersoppa Falls for generating electricity. The matter appears to be one entirely for the decision of the administrative department concerned in consultation with the Crown Representative.

J.R. Dumasia

Remembrancer of Legal Affairs.

U.R. to P.W.D., No. 12400 , dated the 29th November 1939.

LDR.

On

Before proceeding with the further consideration of the case, a reply from the Secy to the Hon'ble Resident at Mysore to the letter at page 117 may be awaited

C.P.P.
30.11.39

M.C.
1/12

M.C.
25/11/39

Dy Secy ✓

PUBLIC WORKS DEPARTMENT
File No. 2004/36
29 NOV. 1939
Serial No. 28347

M.C.
29/11

M.B.30/11

7-11-39

Letter from the Government of Mysore, Electrical Department, No.E.D.S.120, dated the 29th November 1939.

Subject:- Hydro-Electric Project in connection with the Gersoppa Falls.

I am directed to refer to your letter No.R.Dis.F.594-39/Pol, of 11th October 1939.

In 1934 the Government of Mysore agreed to supply electric power to the Bombay Government up to a maximum of 5000 E.H.P. on reasonable terms to be mutually agreed upon. Sunsequently the Government of Mysore would be able to supply this power and in letter dated 8th February 1938, the Government of Mysore suggested a rate of 0.25 annas per K.W.Hour metered at their High Tension Bus bars. The Government of Bombay object that this rate is too high and wish it to be reduced to 0.125 annas and have advanced certain reasons to justify their request in their letter dated 25th September 1939 under reference.

It may be explained that it has now been decided that the supply will be at 50 and not 25 cycles per second, so the cost of conversion from 25 to 50 cycles will not have to be incurred.

I am directed to reply that the Government of Mysore regrets that it is unable to agree to any rate less than .25 annas at present, more particularly in view of the uncertainty as to costs as the result of the war.

"C O P Y"

No.R.Dis.F.337(1)-39 Encl.

From

THE SECRETARY TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,

Public Works Department, Bombay.

Dated Bangalore, the 9th December 1939.

Subject:- Hydro-electric project in connection with the Gersoppa Falls.

Sir,

I am directed to refer to your letter No.2004/36-M, p117 dated the 25th September 1939.

2. I enclose a copy of letter from the Government of Mysore, No.E.D.S.1290, dated the 29th November 1939. p121

I have the honour to be,

Sir,

Your most obedient servant,

for SECRETARY TO THE RESIDENT.

PUBLIC WORKS DEPARTMENT
File No. 2004/36
11. DEC. 1939
Serial No. 29224

11 12-39

/25

2004/36

M.B.

Submitted with reference to G.L. No.2004/36-M., dated the 25th Septr.193 (p117) and the notes underlying it (pp109-116).

2. It will now be seen from the Gov of Mysore's letter at p. /21 that that Govt. regrets its inability to agree to any rate less than .25 anna per unit at present more particularly in view of the uncertainty as to the costs as the result of the war. The point for consideration is whether this Govt. should proceed with the scheme of purchasing electrical energy from the Govt. of Mysore at the Gersoppa Falls for transmission and distribution to Hubli, Gadag, Dharwar and Belgaum. The cost of the transmission of the energy from Gersoppa to these towns including the necessary transformers telephone lines, switch gear, &c. was estimated at Rs.32,77,600 (p117) and the total cost per unit worked out to .78 anna. In view however of the increase of the cost of the materials due to war conditions, these estimates will not now hold good but will have considerably gone up. It is therefore for consideration whether the scheme of supplying el. energy from the Gersoppa Falls to Hubli, Gadag, Dharwar and Belgaum may be held up till the return of normal times. If so, it would be premature to discuss the question of rates just now. The question

may

2004/36

may be taken up when an opportunity
presents itself again. The El.Engr.may
see the papers u.o.

GR.
13.12.39

It would be most unwise
to do anything in connection
with this proposal at the
present time, I think, though
it might be unwise to let-
the question rest just now
at, at least we must tell
the Nyasa Bank that we
cannot accept their
proposals + call them to
reconsider the whole question

13/12

D y Secy

Sec'y Ch. Com.

u.o. Controller. Engr. & Exam.
13-12-39.

14/12/39

14 DEC 1939

Below U.O.R.No.2004/36 dated the 13th December 1939, from Government in the Public Works Department.

D 17-B

No. 3,336 of 1939.

Bombay, 16th December 1939.

Returned, with compliments. I agree with the view expressed by the Deputy Secretary. The matter instead of being allowed to rest, should be pursued further.

Electrical Engineer to Govt.

P.

128

MB. 18/12

PUBLIC WORKS DEPARTMENT
File No 2004/36
16 DEC. 1939
Serial No. 29681

18/12

16-12-39

18/12

M.B.

Submitted with reference to the notes at pp.125-126 ante.

2. In view of the El.Engr's remarks, (p127) the question of the rates of supply of e energy may be pursued further.

3. The position of the case is brought out in the office note at pp.113-115 ante. The R.L.A.has opined (p114) that no question of law is involved in this case and that the agreement with Mysore Durbar will be of a political nature and that the matter appears to be one entirely for the decision of the administrative deptt concerned in consultation with the Crown Representative. From the earlier corres. with the G.of I.-vide para.3 of the offi (p113) note,it will be seen that this Govt.had no objection to the hydro electric project of the Mysore Durbar subject inter alia to the condition that in return for the concession permitted by this Govt.,this Govt. ought to get something viz.that in case the need for power in bulk for industrial and other purposes arose in the adjoining areas in this Province, the Mysore Govt.should grant such power at some limited concessional rate which might be a certain percentage less than the rates then charged by them for similar supply in State territory. According to the final agreement,the Mysore Govt. agreed to supply to the Bombay Govt.if required electrical power from the proj to a maximum of 5000 E.H.P.on reasonabl terms to be agreed upon mutually by th

two

two Govts. The Mysore Govt. has proposed to charge this Govt. a rate of .25 anna per unit, whereas this Govt. considers the rate too high and desires that the rate should be reduced to ~~anna .125~~ .125 anna per unit which the Mysore Durbar is unable to accept.

4. The Generating Station at the Gersoppa Falls is expected to be put into operation during the working season of 1940-41. Since the Mysore Govt. is not prepared to accept the rate of .125 anna per unit as desired by this Govt., the matter will have to be referred to the Crown Representative - vide the R.L.A's opinion at p. 119 ante. Before approaching the Crown Representative, it is for consideration whether information regarding the actual cost of the works, together with the running and maintenance charges and the cost per unit generated, ~~should~~ may be obtained from the Mysore Durbar so that ~~a comparison~~ this Govt can ascertain whether the ~~can be made between the~~ rate of .25 anna per unit insisted upon by the Durbar ~~and~~ is justified & whether the rate cannot be reduced to ~~the rate of~~ as .125 anna asked for by this Govt. The necessary draft letter will be put up on receipt of orders.

C.S. 11.1.40

To obtain the information suggested in the above note seems impossible. The Mysore Govt. are certainly not going to supply figures against their own case; nor, if the Durbar has spent extravagantly on the Plant or works, can their Govt. concerned. I think the Crown-Govt. may be asked to address upon the need more. C.S.

D.U. Secy V

Secy

131 2004/8

Yes El. Eng may take into consideration fact that current will be applied at 50 cycles instead of 25

I don't think we can do much more till work is furnished & cost of production is known. It would then mean settlement by arbitration

Chn
11/1

W.T.
11/1

x encl 2a, 14/11/39 I & II c/o C. Walker. Esq. & Encl.
DJ 12/1/40
12/1

ELECTRICAL ENGINEER
TO GOVT. OF INDIA
Inwd. No. 5281
9 FEB 40
File No. D178
P. W. D., DOC

Below U.O.R.No.2004/36 dated 12-1-40 from the Government in the P.W.D.

No D78/ 2358 of 1940.
Bombay, 9th February 1940.

Seen and returned, with compliments.

2. The periodity of the supply of 50 cycles has been taken into consideration. It is suggested that this matter be left in abeyance until the actual need for the energy arises in the Southern portion of the Province.

Electrical Engineer to Govt.

CSV.

2004/36.

Submitted with reference to the notes at pp. 129-131 ante.

2. In view of the El. Engr. recommendation, the further consideration of the question may be held up for the present.

GR
10.2.40

PUBLIC WORKS DEPT.
File No. 2004/36
9 - FEB. 1940
Serial No. 3430

Is there no actual agreement signed with the Abyssinian Govt. as amongst other documents, between the two countries?

2. The fixing and A(F) gains details of the route to be followed mentioned and recommended by the committee

3. Is there not another fixing showing details of agreement, terms, guarantees and route to be followed etc.?

I await reply before [illegible]

Yrs
[illegible]

K 004/36

M.B.

The replies to the Secy's. two queries in paras. 1 & 3 of his foregoing note are as under:-

2. No actual agreement appears to have been signed with the Mysore Govt. regarding amount of water to be let down, etc., but from the letter[x] dated 6-9-34 from the Hon'ble the Resident in Mysore, it will be seen that the Govt. of Mysore agreed to the adoption of the joint recommendations of the Inspecting Officers (S.E., S.C. and the Chief El.Engr. to the Govt. of Mysore) as contained in Nos.[⊗] (2) to (4) of the minutes of joint inspection with regard to -

(1) the discharges to be let down the river on various dates between the 1st October of each year and the 15th Febry. of the following year, and to maintain the scenic effect

(2) the supply to the B'bay Govt., if required, of electric power from the proposed scheme upto a maximum of 5000 E.H.P. on reasonable terms to be agreed upon mutually by the two Govts.

The Resident's letter quoted above was with refce. to For. & Poll. Deptt. letter of 30-8-33,[*] in which the Govt. of India requested the Resident to bring the contents of this G.L. of 14-7-33,[†] to the notice of the Mysore Govt. and to obtain their agreement to the adoption of the joint recommendations with regard to the two points noted above. It may be added that in reply to a Council question[α] it was stated in ~~April~~ 1939 that no formal agreement was executed.

For

× Sly C. file 141/32 II, f. 203

⊗ Do do - f. 137-139

* Do do - f. 183

† Do do - f. 171

α Sly A. filed 24/37/39

2004/36

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For the reasons for the quantities of water to be let down, please see S.E., B.C's. letter No.G-115, dated 7-4-33, at pages 145-157 of File 1411/27 II and the O.N. following it at pages 163-165.

containing the recommendations of the Inspectors report &c.

10/9/41

Remind for return
with file 2004/36 &c.

11/11.

J.S. 12/11

Secy

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

PUBLIC WORKS DEPARTMENT.

G. O. No. P. W. 2383-96—S., dated 27th October 1941.

Jog Hydro-Electric Project.

Sanctions the estimate amounting to Rs. 280·5 lakhs for the first stage of ——

READ—

Government Order No. EDS. 205-217, dated 4th August 1937, according administrative sanction for a scheme for generating 30,000 H. P. at Jog at a cost of Rs. 150 lakhs and directing the submission of project estimates in connection therewith.

2. Note No. 1038, dated 5th January 1940, by the Chief Engineer, submitting, for sanction, an estimate amounting to Rs. 280 lakhs for developing 48,000 H. P. (continuous) at Jog Falls.

3. Letter No. 14487, dated 12—13th January 1941, from the Chief Electrical Engineer, furnishing his views in the matter.

ORDER No. P. W. 2383-96—S., DATED BANGALORE, THE 27TH OCTOBER 1941.

The possibility of harnessing the Jog Falls for the generation of electric power has been under the consideration of Government since 1916. Investigations were conducted from time to time, but the projects prepared had to be kept by for one reason or other.

2. A forecast of the demand for power prepared in 1936 by the Chief Electrical Engineer indicated that there would be an extra demand for 30,000 H. P. during the following four years and for 40,000 H. P. during the next nine years. To meet this demand, a project for producing 23,000 H. P. at the Shimsha Falls by utilising the storage in Krishnaraj Sagar was sanctioned. The Shimshapura Works, now in operation, are not able to meet the increased and increasing demand for power necessitated by the development of industries in recent years. Detailed investigations were therefore started by the Electrical Department for making a beginning with the Jog Falls Project.

3. As the flow in the river Sharavathi fluctuates considerably, the construction of a storage dam is found necessary for a steady feeding of the power channel. Seven sites on the main river and five on the tributaries were investigated in detail and the Committee of technical officers appointed to go into the question, after considering the suitability of the foundation for a high masonry dam, the comparative costs and the possibilities of future expansion, decided that the main storage dam should be located at Hirebhasgar No. 2 site near Madenur village and that a barrage be built near Karagal to pick up the water let down into the river from the storage in the main reservoir and to divert it into the power channel. Estimates amounting to Rs. 70 lakhs for the main storage dam and to Rs. 15 lakhs for the barrage or pickup dam approved by the Committee, have been sanctioned by Government and the works are in progress.

4. The Government of India have given their assent to the proposal to undertake this project subject to the conditions that an agreed quantity of water would be let down the river from 1st of October of each year to 15th of February of the following year and that electric power to a maximum of 5,000 E. H. P. would be supplied, if required, to the Government of Bombay on reasonable terms to be mutually agreed upon. The Government of Madras have also expressed their

willingness to acquire an extent of 400 acres of private land in Coondapur Taluk required for the Jog Project and grant the Mysore Government a 999 years' lease, basides placing another extent of 720 acres of land at the disposal of the Mysore Government, which will come under submersion by the proposed reservoir in the third and fourth stages of the Project.

5. On account of the difficult nature of the country, the selection of a suitable site for locating the generating station has involved considerable exploration, time and discussion. A number of sites below the falls were investigated and the Hydro-Electric Schemes Committee, after investigating the relative merits of the generating station and the power channel alignment in close detail with the Director of Geology, recommended G-2 site for adoption. The Committee have also examined the comprehensive estimate for Rs. 280·5 lakhs prepared jointly by the Chief Engineer and the Chief Electrical Engineer for the first stage of the project to generate 32,000 H. P. and have recommended that it be sanctioned.

6. The project may be divided broadly into three portions, *viz.*, the Civil, the Hydraulic and the Electrical Works :—

		Rs.
The Civil Works comprise the following.—		
1. Main Storage Dam		80·24 lakhs.
2. Barrage and Head Gates		15·00 ,,
3. Power Channel		11·50 ,,
4. Roads, Buildings and Bridges ...		18·45 ,,
5. Surveys and Anti-malarial Works, etc. ...		17·28 ,,
Total ...		142·47 ,,
The Hydraulic Works.—		
1. Forebay		2·50 ,,
2. High and Low Pressure Penstocks including hill side excavation and protection.		20·05 ,,
Total ...		22·55 ,,
The Electrical Works.—		
1. Generation		27·50 ,,
2. Transforming		12·75 ,,
3. Transmission		44.70 ,,
Total ...		84·95 ,,
Establishment ...		17·05 ,,
Unforeseen and Contingencies ...		13·50 ,,
Total ...		30·55 ,,
Grand total ...		280·5 ,,

7. It is proposed to generate power at Jog at 50 cycles as against 25 cycles at Sivasamudram and Shimshapur. Two generating units of 16,000 H.P. each will be installed in the first stage. Transformers will be located on the first floor of the generating station or outside as found convenient, and power will be transmitted to Bhadravati by means of double circuit transmission lines. The present 25 cycle equipment at Bhadravati, Davangere and other places in the Jog area will be converted to suit 50 cycle power when it is supplied from the Jog Station. Whether the transmission voltage should be 110,000 or 132,000 will be settled in consultation with the Consulting Engineers. The detailed specifications, plans and estimates for the electrical machinery and equipment, which are under preparation in the Electrical Department, will, when ready, be referred to the Consulting Engineers for scrutiny and advice.

To facilitate the rapid execution of the Civil Engineering Works connected with the dam, barrage, power channel, roads, bridges and buildings, two Public Works Divisions have been formed, one at Hirebhasgar for the Dam Works and

the other at Karagal for the barrage and channel works. An Audit Circle for pre-audit of the expenditure on these works has also been sanctioned. Measures for controlling malaria have been taken in hand in consultation with the Public Health Department and adequate medical aid has also been provided for the staff and the labourers.

8. In view of the increasing demand for power, Government are pleased to accord sanction to the estimate amounting to Rs. 280·5 lakhs for the first stage of the Jog Hydro-Electric Project.

M. G. MEHKRI,
Secretary to Government,
Public Works Department.

To—The Secretaries to Government.
The Chief Engineer of Mysore.
The Electrical Adviser to Government.
The General Superintendent, Cauvery Power Scheme.
The General Superintendent, Jog Project (Electrical Portion).
The Comptroller to Government through the Financial Secretariat.
The Auditor, Electrical Department.
The Compiler, *Mysore Gazette.*

Exd.—C. K.

WD 3065—GPB—995—5-11-41

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The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

No. R.F.256-40/Pol.

FROM

THE SECRETARY
TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Secretary to the Government of Bombay,
Public Works Department.

Dated Bangalore, the 20th Novr. *1941*

JOG HYDRO-ELECTRIC PROJECT.

SIR,

I am directed to forward for the information of the Government of Bombay a copy of the orders of the Government of Mysore No.P.W.2383-96-S, dated the 27th October 1941 on the above subject.

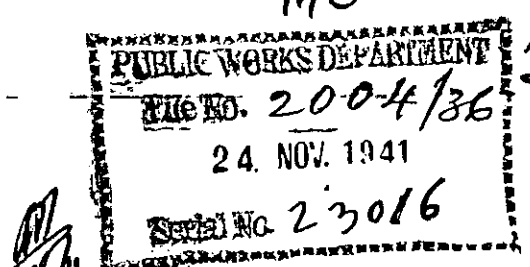
I have the honour to be,
Sir,
Your most obedient servant,

SECRETARY TO THE RESIDENT.

BJ

144

MB 25/11.



25/11

24-11-41

(M.B.) Submitted.

2- The Secy.to the Hon'ble the Resident in Mysore has forwarded for the information of this Govt. a copy of the orders of the Govt. of Mysore No.P.W.2383-96-S, dated the 27-10-41, sanctioning the estimates amounting Rs.280.5 lakhs for the first stage of the Jog Hydro Electric project. Attention is invited to para.4 of the order. It will be seen that the Mysore Govt.have agreed to the agreed quantity of water being let down the river from the 1st Octr.of each year to the 15th of Feby.of the following year and to the supply of electric power to a maximum of 5,000 E.H.P. being given, if reqd. to the Govt.of Bombay on reasonable terms to be mutually agreed upon. As regards the rate of supply Mysore Govt.have stated that they will supply energy at the rate of 0.25 anna per K.W.H. That Govt.was requested to reduce the above rate to .125 anna per K.W.H., but they declined to reconsider the matter. The El.Engr.to Govt. suggested that until the actual need for the energy arises in the Southern portion of the Province e.g. Hubli, Gadag, Dharwar,etc. the question may be held in abeyance. It was also considered that the question of rate could be settled by arbitration, after the cost of production is known. The papers may accordingly be kept in await for the present. The El.Engr.to

Govt. ...

2004/32

Govt. may see u.o. before submission to the A(F).

29/11/41

GR
29/xi

U.O. with file 1411/32. Pt I 41

4 DEC 41

EL CT... TER
TO GOVT. ...
Inwd. I 4391
4 DEC 1941
File No. 2178
P. W. D., BOMBAY

147

Below U.O.R. No.2004/36 dated 3rd December 1941

from Government in the Public Works Department, Bombay.

No.D713/ 2903 of 1941.

Bombay, 4th December 1941.

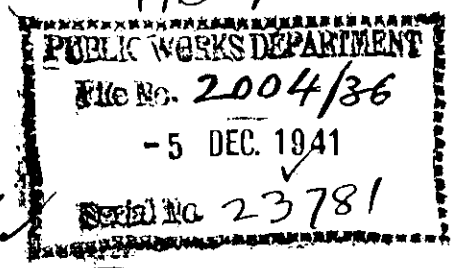
Seen and returned with compliments.

Electrical Engineer to Govt.

DVS.

148

MB 5/12 M11/27-II-I



5/12

5-12-41

149

2004/36
23781

(Ch.Z) Submitted with reference to
Govt. D/O letter dt. 3-12-41.

2. The papers may now be
submitted to the A(F) for his
information.

Dy. Z.
6/12/41

Secy
A(F)

No action is necessary
on this case at present.
I agree with the letter from
D.N.P. 145

A(F)
10.12.41

✓

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

PUBLIC WORKS DEPARTMENT.

G. O. No. P. W. 2383-96—S., dated 27th October 1941.

Jog Hydro-Electric Project.

Sanctions the estimate amounting to Rs. 280·5 lakhs for the first stage of ——

READ—

Government Order No. EDS. 205-217, dated 4th August 1937, according administrative sanction for a scheme for generating 30,000 H. P. at Jog at a cost of Rs. 150 lakhs and directing the submission of project estimates in connection therewith.

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3. Letter No. 14487, dated 12—13th January 1941, from the Chief Electrical Engineer, furnishing his views in the matter.

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The possibility of harnessing the Jog Falls for the generation of electric power has been under the consideration of Government since 1916. Investigations were conducted from time to time, but the projects prepared had to be kept by for one reason or other.

2. A forecast of the demand for power prepared in 1936 by the Chief Electrical Engineer indicated that there would be an extra demand for 30,000 H. P. during the following four years and for 40,000 H. P. during the next nine years. To meet this demand, a project for producing 23,000 H. P. at the Shimsha Falls by utilising the storage in Krishnaraj Sagar was sanctioned. The Shimshapura Works, now in operation, are not able to meet the increased and increasing demand for power necessitated by the development of industries in recent years. Detailed investigations were therefore started by the Electrical Department for making a beginning with the Jog Falls Project.

3. As the flow in the river Sharavathi fluctuates considerably, the construction of a storage dam is found necessary for a steady feeding of the power channel. Seven sites on the main river and five on the tributaries were investigated in detail and the Committee of technical officers appointed to go into the question, after considering the suitability of the foundation for a high masonry dam, the comparative costs and the possibilities of future expansion, decided that the main storage dam should be located at Hirebhasgar No. 2 site near Madenur village and that a barrage be built near Karagal to pick up the water let down into the river from the storage in the main reservoir and to divert it into the power channel. Estimates amounting to Rs. 70 lakhs for the main storage dam and to Rs. 15 lakhs for the barrage or pickup dam approved by the Committee, have been sanctioned by Government and the works are in progress.

4. The Government of India have given their assent to the proposal to undertake this project subject to the conditions that an agreed quantity of water would be let down the river from 1st of October of each year to 15th of February of the following year and that electric power to a maximum of 5,000 E. H. P. would be supplied, if required, to the Government of Bombay on reasonable terms to be mutually agreed upon. The Government of Madras have also expressed their

willingness to acquire an extent of 400 acres of private land in Coondapur Taluk required for the Jog Project and grant the Mysore Government a 999 years' lease, basides placing another extent of 720 acres of land at the disposal of the Mysore Government, which will come under submersion by the proposed reservoir in the third and fourth stages of the Project.

5. On account of the difficult nature of the country, the selection of a suitable site for locating the generating station has involved considerable exploration, time and discussion. A number of sites below the falls were investigated and the Hydro-Electric Schemes Committee, after investigating the relative merits of the generating station and the power channel alignment in close detail with the Director of Geology, recommended G-2 site for adoption. The Committee have also examined the comprehensive estimate for Rs. 280·5 lakhs prepared jointly by the Chief Engineer and the Chief Electrical Engineer for the first stage of the project to generate 32,000 H. P. and have recommended that it be sanctioned.

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Total	...	30·55 ,,
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To facilitate the rapid execution of the Civil Engineering Works connected with the dam, barrage, power channel, roads, bridges and buildings, two Public Works Divisions have been formed, one at Hirebhasgar for the Dam Works and

the other at Karagal for the barrage and channel works. An Audit Circle for pre-audit of the expenditure on these works has also been sanctioned. Measures for controlling malaria have been taken in hand in consultation with the Public Health Department and adequate medical aid has also been provided for the staff and the labourers.

8. In view of the increasing demand for power, Government are pleased to accord sanction to the estimate amounting to Rs. 280·5 lakhs for the first stage of the Jog Hydro-Electric Project.

M. G. MEHKRI,
Secretary to Government,
Public Works Department.

To—The Secretaries to Government.
The Chief Engineer of Mysore.
The Electrical Adviser to Government.
The General Superintendent, Cauvery Power Scheme.
The General Superintendent, Jog Project (Electrical Portion).
The Comptroller to Government through the Financial Secretariat.
The Auditor, Electrical Department.
The Compiler, *Mysore Gazette.*

Exd.—C. K.

WD 3065—GPB—995—5-11-41.

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1

No.R.F.256-40/Pol.

From

The Hon'ble Lt.Col.J.H.Gordon, C.S.I., C.I.E., O.B.E., M.C.,
Resident in Mysore.

To

The Secretary to His Excellency
the Crown Representative,
New Delhi.

Dated Bangalore, the 20th Novr.194

JOG HYDRO-ELECTRIC PROJECT.

Sir,

I have the honour to refer to the correspondenc ending with my letter No.F.724-34/R.O.II, dated the 6th September 1934, to the late Foreign & Political Department and to forward for the information of His Excellency the Crown Representative a copy of the order of the Government of Mysore No.P.W.2383-96 S, dated the 27th October 1941. pp 151-153

I have the honour to be,
Sir,
Your most obedient servant,

Sd/ J. Gordon,

Lt.Col.,
R E S I D E N T.

BJ

No.F.21(21)-I.A./41.

From

The Secretary to His Excellency the
Crown Representative,

To

The Secretary to the Goverment of Bombay,
Public Works Department.

Dated New Delhi, the 23rd December 1941.

Jog(Gersoppa) Hydro-electric
Project.

....

Sir,

I am directed to refer to the correspondence resting with the Government of India late Foreign and Political Department endorsement No.F.161-R/33, dated the 24th September 1934,

Letter from the Hon'ble the Resident in Mysore, No.RF.256-40/Pol., dated the 20th November 1941, with enclosure.

and to forward, for the information of the Government of Bombay, a copy of the communication noted in the margin.

I have the honour to be,
Sir,
Your most obedient servant,

for Secretary to His Excellency the
Crown Representative.

OPK.

PUBLIC WORKS DEPARTMENT
File No. 2004/36
3 - JAN. 1942
Serial No. 389

(M.B.) Submitted.

2. The Secy.to H.E.the Crown Representative has forwarded for th/ 157 information of this Govt. a copy of the order of the Govt.of Mysore No. P.W. 2383-96-S, dated the 27-10-41, pp 151-153 sanctioning the estimates amounting to Rs.280.5 lakhs for the first stage of the Jog Hydro-Electric Project. In this connection attention is invited to the notes and orders at pp. 145-149 ante, from which it will be seen that no action is necy.on the case at present.

GR
8-1-42.

9/1

JB
Asst 9/1/42.
20-12-42
30-X-43
10

✓
D/y Secy

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

PUBLIC WORKS DEPARTMENT.

G. O. No. P. W. 8513-26, dated 19th May 1943.

Jog Power Scheme.

Sanctions the modified estimate amounting to Rs. 408·7 lakhs for the —— for generating 64,000 E.H.P.

READ— pp 139-141

Government Order No. P. W. 2383-96—S., dated the 27th October 1941, sanctioning an estimate amounting to Rs. 280·5 lakhs for the first stage of the Jog Power Scheme to generate 32,000 E H.P.

2. Un-official Note No. 356--K. S. S., dated the 2nd September 1942, from the Chief Engineer of Mysore, forwarding, for sanction, a modified estimate amounting to Rs. 358·0 lakhs for the project prepared in consultation with the General Superintendent, Jog Power Scheme, for (i) generating a larger block of power of 64,000 E.H.P. found necessary to meet additional demands for power and (ii) execution of all the Civil Engineering works required for generating 128.000 E H.P. eventually, so that by adding only the hydraulic and electrical equipment as and when found necessary, the project might be developed in due course to its full capacity.

3. Letter No. 2483, dated the 8th January 1943, from the General Superintendent, Jog Power Scheme, forwarding a statement showing the lumpsum provisions made for the hydro-electric and electrical equipment costing Rs. 1,61,91,000 included in the modified estimate and explaining the necessity to revise the provisions as per detailed estimates of cost of the materials and equipment prepared on the basis of the weights and accepted rates at which orders would be placed with the several firms.

ORDER No. P. W. 8513-26, DATED BANGALORE, THE 19TH MAY 1943.

An estimate for Rs. 280·5 lakhs was sanctioned for the first stage of Jog Power Scheme to generate 32,000 E.H.P. in G. O. No. P. W. 2383-96—S., dated 27th October 1941.

2. A statement of new demand for power anticipated on essential developments by 1943-44 was prepared by the Chairman of the Mysore Iron and Steel Works, at the end of November 1941. From this it was seen that the total additional power exclusive of the 3,750 K.W. earmarked for Bombay Presidency as per Agreement would be 23,000 K.W., bringing up the total power to be generated at Jog to 26,750 K.W. At present, Sivasamudram and Shimsha power stations are being worked to produce additional power to meet the increased demands by issue of extra water from the storage at Krishnaraj Sagar. This arrangement is seriously interfering with the full development of irrigation under Irwin Canal and it is necessary that this water has to be released for irrigation by transferring the additional load of 13,000 K.V. at Sivasamudram and Shimsha to the Jog Power Scheme. This brings up the total requirement of power production at Jog to 39,750 K.V. or 53,000 H.P.

3. It was therefore considered necessary to provide for a larger block of power than was originally contemplated. A modified estimate was accordingly prepared for generating 64,000 E.H.P., the Civil Engineering works being once for all executed for the final stage of 1,28,000 E.H.P., the hydraulic and electrical equipment for generating additional power being added on as and when fresh demand for power arose.

4. The modified abstract estimate for Rs. 358·0 lakhs was scrutinised and approved at the joint meetings of the Civil Engineering and Electrical Engineering Committees which met at Jog on 7th and 8th June 1942. Pending sanction to the detailed estimate, permission was given by Government in P. W. No. 1745, dated 27th August 1942, to base the audit certificate on the modified abstract estimate for

Rs. 358·0 lakhs and the works were pushed through. It was found necessary that the modified estimate prepared with reference to the final design had to be further revised on the basis of the accepted rates for electrical machinery and material for which orders were placed with several firms. As per modified estimate for Rs. 408·7 lakhs as finally revised, the cost of Civil Engineering works amounts to Rs. 1,96,47,400 and that of the Electrical Rs. 2,12,22,600, resulting in a net excess of Rs. 1,28,20,000 over the original sanctioned estimate for Rs. 280·5 lakhs. The increase in the cost of the project is due to the following reasons :—

(1) Increase in the number of generating units from 2 to 4, transformers from 2 to 5 and penstock pipes from 2 to 4.

(2) Extraordinary rise in the price of hydraulic and electrical equipment due to war conditions.

(3) Increase in the switch gear equipment to suit the capacity of the station.

(4) Conversion of the existing 25-cycle power of the Cauvery Power Scheme to tie it with the 50-cycle power of the Jog Power Scheme to be in accordance with the modern practice.

(5) Increase in establishment charges due to the constitution of a separate Audit Office and Land Acquisition Office and provision of extra establishment under medical and sanitation and for erecting electrical machinery.

5. The excess in the Civil Engineering estimate is due to the construction of the storage reservoir at Hirebhasgar and of other works at Jog to meet the full requirements of the final stage of the scheme.

6. A lumpsum provision of Rs. 10·5 lakhs has been made in the estimate for Hirebhasgar Dam for acquisition of lands that come under submersion. The acquisition proceedings having been just taken up, the detailed estimate for this sub-head should be submitted on the basis of the awards that may be passed on the cases now under consideration.

7. Government are pleased to accord sanction to the modified comprehensive estimate for Rs. 4,08,70,000 for the several items of the project as shown in the Annexure under "38-A. Hydro-Electric Works, 1. New Power Installation and Electrification Projects—(3) Jog Falls Project."

8. The General Superintendent, Jog Power Scheme, is requested to pay special attention to the marketing of power for industrial purposes in and outside the State, so that the scheme may pay its way and also fetch a favourable return on the capital investment when the Jog Station is expanded to its full capacity.

M. NARASIMHAIYA,
Secretary to Government,
Public Works Department.

To—The Secretaries to Government.
The Chief Engineer of Mysore (with the estimate and other enclosures).
The Comptroller to Government through the Financial Secretariat.
The General Superintendent, Jog Power Scheme.
The General Superintendent, Cauvery Power Scheme.
The Superintending Engineer, Jog Power Scheme.
The Auditor, Jog Power Scheme.
The Auditor, Electrical Department.

Exd.—B. G. S.

No. P. W. 8513-26, DATED 19TH MAY 1943.

ANNEXURE.

JOG POWER SCHEME.

Comparative statement of amounts provided in the estimates for Rs. 280·5 and Rs. 358 lakhs and revised amounts required.

No.	Details	Original estimate for generating 32,000 E.H.P.	Modified estimate for generating 64,000 E.H.P.	Revised modified estimate for generating 64,000 E.H.P.	Items now complete for ultimate development (128,000 E.H.P.)	Remarks
		Rs.	Rs.	Rs.	Rs.	
1	Preliminary expenses for surveys, designs, specifications, drawings, etc.	3,00,000	3,00,000	3,00,000	3,00,000	.....
2	(*a*) Head gates and anicut at Karagal.	15,00,000	12,00,000	12,00,000	12,00,000	.....
	(*b*) Storage reservoir at Hirebhasgar.	80,00,000	67,00,000	67,00,000	67,00,000	.....
3	Canals	11,50,000	15,00,000	15,00,000	15,00,000	.....
4	Forebay with waste weir, complete	2,50,000	1,50,000	1,50,000	1,50,000	.....
5	Land compensation for generating station, canals, colony and transmission lines to Bhadravati.	1,00,000	1,00,000	1,00,000	1,00,000	.....
6	Quarters at Head gates	10,000	...	...	...	Included in item No. 18 (a) (ii).
7	(*a*) Generating Station.—					
	(i) Cost of the building ...	6,40,000	8,40,000	6,93 000	...	
	(ii) Cost of site excavation ...	5,00,000	12,50,000	12,50,000	12,50,000	.....
	(iii) Trolley track	...	2,50,000	2,50,000	2,50,000	.....
	(*b*) Transformer station at Jog (outdoor structure.)	2,00,000	...	2,00,000	...	.....
8	16,000 H.P. generating units driven by 17,500 B.H.P. maximum efficiency Turbines erected, complete.	14,00,000 (Two units)	26,60,000 (Four units)	29,00,000 (Four units)	...	.....
9	Transformers, each of 15,000 KVA erected.	5,00,000 (Two units +1 spare).	9,60,000 (Four units +1 spare).	11,20,000 (Four units +1 spare).	...	.....
10	Switchgear, buses, crane, cable battery, lighting, etc.	5,75,000	14,50,000	16,18,000	...	.....
11	Turbine and motor driven exciters	2,00,000 (Two units)	...	...	...	Included in item 8 above, as a part of the generators.
12	Penstocks:—					
	(*a*) Low Pressure Penstocks.—					
	(i) Cost of erected (one penstock line).	2,20,000	20,00,000	26,15,000	...	This item includes estimate for Rs. 82,000 for piers, etc., across Sirur Halla.
	(ii) Cost of hillside excavation.	25,000	...	...	...	Included under item (c) (ii)
	(iii) Cost of forebay equipment	2,50,000	3,50,000	1,50,000	...	.....
	(*b*) Surge tank	2,40,000	...	...	...	Omitted
	(*c*) High Pressure Penstock.—					
	(i) Cost of one erected ...	9,70,000	...	...	...	Included under item 12 a (*i*)
	(ii) Cost of hillside excavation.	1,00,000	2,40,000	2,40,000	2,40,000	.....
	(iii) Protective works ...	2,00,000	3,00,000	3,00,000	3,00,000	.....
13	Double circuit transmission line to Bhadravati.	19,90,000	23,00,000	26,80,000	...	.....
14	(*a*) Transformer and switching station at Bhadravati.	18,53,000	35,00,000	*68,00,000	...	*Includes frequency changers, Rs. 29,28,000.
	(*b*) Converting Bhadravati and Davangere to 50 cycles.	6,25,000	7,00,000	7,00,000	...	.....
15	Establishment—Construction period —					
	(*a*) Civil Engineering ...	11,00,000	16,00,000	16,00,000	16,00,000	.....
	(*b*) Electrical Engineering ...	6,05,000	8,00,000	8,00,000	...	.....
16	Tools and plant	5,00,000	8,00,000	†9,00,000	5,00,000	†(5,00,000 Civil, 4,00,000 Electrical).
17	(*a*) Roads and Bridges ...	11,50,000	16,00,000	16,00,000	16,00,000	.....
	(*b*) Transport equipment ...	2,00,000	3,00,000	‡3,29,000	1,00,000	‡(Civil 1,00,000, Electrical 2,29,000).
18	(*a*) Quarters, lands, offices, stores, etc.—					
	(i) Permanent quarters ...	6,95,000	10,50,000	10,50,000	10,50,000	.....
	(ii) Temporary quarters ...	...	4,00,000	4,00,000	4,00,000	.....
	(*b*) Malaria control ...	3,00,000	3,00,000	3,00,000	3,00,000	.....
	(*c*) Medical and sanitation ...	...	1,50,000	1,50,000	1,50,000	.....
19	Sagar-Talaguppa Railway contribution 50 per cent of cost.	3,28,000	3,28,000	3,28,000	3,28,000	.....
		267,00,000	340,78,000	389,23,000	180,18,000	.....
20	Contingencies and unforeseen items at 5 per cent of total.	13,35,000	17,03,900	19,46,150	9,00,900	
	Total ...	280,35,000	357,81,900	408,69,150	189,18,900	
	Add for rounding	15,000	18,100	850	1,100	
	Grand Total ..	280,50,000	358,00,000	408,70,000	189,20,000	

WD 6267—G P B—300—28-6-43

165

No.R.F.256-40/Pol/Enc.1.

To : The Secretary to the Hon'ble the Resident in Mysore.
The Secretary to the Government of Bombay,
Public Works Department, Bombay.

Bangalore, 25/27 August 1943.

JOG HYDRO-ELECTRIC PROJECT.

Sir,

I am directed to refer to my letter No.R.F.256-40/Pol dated the 20th November 1941 and to forward a copy× of orders of the Government of Mysore, No.P. .3513-26, dated the 19th May 1943, sanctioning a modified estimate for Rs.438.7 lakhs for the project mentioned above.

I have the honour to be,
Sir,
Your most obedient servant,

× pp 161-163

SECRETARY TO THE RESIDENT.

166

El. Bra. p6/1158/166

Submitted with ref. to the O.N. within.

p6/1616/62

2. The Mysore Govt. has now sanctioned a modified comprehensive estimate for Rs.408.7 lakhs for Jog ~~Falls~~ Project. The project is intended to provide ultimately for the generation of 1,28,000 E.H.P. The present sanctioned estimate however provides for generating 64,000 E.H.P. only but it provides for all -- Civil Engrg. works reqd. for the final stage of 1,28,000 E.H.P. The hydraulic and electrical equipment for - generating addl. power is to be added on as and when fresh -- demand for power arises.

Hydro-Electric/ x p 161 ante c/m

Copy of order EB 31/8.

CHKS DEPARTMENT
2004/36
30. AUG. 1943
2357/

3. As agreed to by the Mysore Govt., the maximum probable demand of 5000 E.H.P. of this Govt. has been kept in view in framing the estimate -

vide para.2 of the Order on p. ' ante
In view of the late Secy.'s note on pa
149 ante concurred in by A(F) ~~without~~ no
action seems to be called for at prese
- The papers may be shown u.o. to the El.
Engr. to Govt. and then submitted to
A(R) for information.

9.9.43.

9/9/43

VR.9/9.

Resubmitted.

2. These papers were handed to me by the Secy. for noting on the possibility of finding, if possible, a basis for making an increased demand for power from the Mysore Darbar from its Jog Power Scheme. For this purpose, we shall have to be clear as to the extent to which we can lay a legitimate claim on the waters of the Sharavati at the Jog falls with due regard to the terms already agreed upon:-

(a) The C.A. of the Sharavati river at the Jog falls is about 770 sq. miles and this lies almost exclusively in the Mysore State area and there is little ground to lay any claim to the Sharavati waters on this consideration.

(b) The Sharavati flows through the Mysore State for its whole length u/s of the falls except for about 3/4 of a mile just u/s of the falls from where our --- boundary passes through the middle of the river and across the falls and for about 8 miles d/s of it, and thereafter the -- river is wholly in the British territory. As our boundary passes through the middle of the river at the falls, probably at best we are entitled to ask that the -- volume of flow in our half of the river should not be allowed to diminish below its ....

its natural discharge - vide para.7 on page 27 of file 1411/27 I. But already we have acquiesced to the Darbar restri ing the discharge from October to the 1 February to agreed quantities and there after appropriating all the river flow power purposes. Having once agreed to this arrangement apparently we cannot reopen the question now provided the Mysore Darbar does not infringe whateve terms are generally mutually agreed to. It will be seen from our letter Nos 1411/27-M, dated 7-2-1931 and 14.7.1933 to the Govt. of India that all discussic of conditions were restricted to the -- scheme of 20,000 E.H.P. capacity as -- detailed in Mr. Forbes's note. It, there fore, appears that since the present -- scheme is for generating 64,000 E.H.P. compared to the 20,000 of the original scheme agreed to by this Govt., arrange- ments re. this large extension will have to be settled by agreement between the Governments of Bombay and Mysore, as pointed out in para.4 of this Govt. lette No.1411/27-M, dated 7-2-1931. This will have to be brought to the notice of the Mysore State mentioning that this Govt. cannot agree to the extended scheme unles full details of storage, the requirements of power generation, provision made for the storage necy. to discharge in the river to maintain the scenic effect of th falls are supplied and a settlement is reached with regard to the further condi- tions that may require consideration in connection with the present extended pro- ject.

(c) Another point to be considered with regard to the original scheme of -- 20,000 E.H.P. is that our acceptance of that proposal was that a max. of 5,000 E.H.P. out of the total generated 20,000 E.H.P. will be supplied to this Province if reqd. on reasonable terms to be agreed upon mutually by the two Govts. So far the two Govts. have not been able to agi on the rate to be charged and this condi tion not having been fulfilled our acce tance of even the old scheme is not yet absolute. This may also be brought to the notice of the Mysore Govt.

(d) As regards claim of this Pro- vince on the waters of the Sharavati at the Jog falls for irrigational purposes in the Province, it may be mentioned tha the constructions of any storage work on this river above the falls within the limits of this Province is not possible It may, perhaps, be possible to divert monsoon and winter supplies in the rive for seasonal irrigation but the command near and below the falls is all hilly and forest and unsuitable for irrigatic on any large scale. Besides the rainfa in the locality is very heavy and no irrigation is reqd. in the monsoon. S we have no equitable ground to lay any claim on the Sharavati waters for pu poses of irrigation in this Provin

(e) The point about the abstraction f river flow affecting the scenic effect f the falls has been the most important onsideration from the point of view of his Govt. in the discussion of this scheme ith the Mysore Govt. A certain agreement s to the discharge to be let down into he river from October to the 15th of Feb. n the case of the original scheme of --),000 E.H.P. has been already arrived at. rt as the scheme has now been enlarged resumably involving considerable extra torage it may be necy. to consider whether e should not insist on the Darbar letting own some minimum water in the river after he 15th of Feby. vide para.4 of this Govt. etter No.1411/27-M, dated 7-2-1931. But his may be considered later.

(f) As regards the riparian rights this Province on the waters of the -- river, the area in which the water supply will be affected is from 3/4 mile u/s of the falls to about 2 to 3 miles d/s of it. There do not appear to be any villages in this area which are using the river water at present and so it may be assumed that there is no riparian right which is likely to be interfered with by this scheme. The water supply in the river below 3 miles from the falls, however, will if anything, be considerably improved by the project.

(g) If an increase demand for power is to be made from the enlarged scheme, it will be necy. to find a load for the energy. The area is a thick forest and it may be possible to establish Saw Mills, Paper Industry, Wood carbonisation etc. The Dir. of Industries may perhaps be consulted about the possibility of finding industrial load for the energy in the vicinity.

Yes 8/2/31

5. Govt. has decided earlier that the question regarding reduction in the rate for energy proposed by this Govt. but refused by the Mysore State may be held in abeyance till after the cost of production is known. It is, however, suggested that we will be in a better position to negotiate before than after the completion of the work. If this is accepted probably a further representation can be made to the Mysore Govt. for reducing the rate for supply of energy in bulk more or less corresponding to that usually charged by the Hydro-Electric concerns in this Province.

certainly 8/2/31

It is for consideration whether action may be taken as suggested in para.2 (b)(c) (e) and 3 above.

4/4/31

VR.17/11.

The receipt of the letter may first be acknowledged & the Mysore Darbar informed that the

in view of the enlarged scheme now framed by the Dartn. A further communication will follow.

2/ The action proposed by the A.E. in para 4 at page 170 may be taken.

21/Jul/43

I agree with para 1 of the note of the D.S.(I&R)

2/- We may now refer the case to the Electy Engr & the Dir of Industries for their opinion before a final reply is sent up to the Secy to the Govt in Mys Housing Dept

GD
2/12/43

A(R)----
As I understood the question of Inter-Provincial rights & equities as stated at the recent Delhi Conference the view

KB.
4/12

to far greater lengths in mutual cooperation and accommodation than in the past.
The fact therefore that we had agreed on 5000 K.W. in the past need not prevent us from asking for, & hoping to get, a larger share if we really wanted it. And an additional argument could be that the Mysore Govt. is now enlarging the works.

As a representative at the Conference I think D. of Industries might see as well as El. Engr.

2. Incidentally, it seems rather a pity that we let the question of rate of power indefinitely.

8/12/43

V. Early.
8/12/43.

EL. BR.

Resubmitted.

2. Apparently A(R) has no objection to the action being taken as per para.1 of the note of the Dy. Secy. dated the 21st Nov. 1943 concurred in by the Secy. However, in view of paras.1 ~~and 2~~ of his note above "the enlargement of the scheme" may not perhaps be given as a reason for reviewing the --- position of this Govt. If the above views are agreed to, the draft put up for approval will meet the case.

After the issue of the

No.2004/36-El. P. W. D.

B.C., 13th Dec. 1943

To

The Secy. to the Hon'ble the
Resident in Mysore.

Subject:- Jog Hydro-Electric Project.

Sir,

I am directed to acknowledge the receipt of a copy of the orders of the Govt. of Mysore No.P.W.8513-26, dated the 19th May 1943, sanctioning a modified estimate for the project mentioned above, forwarded with your letter No R.F.256-40/Pol./W.C.1 , dated the 25th/27th August 1943.

2. This Govt. is reviewing its position with regard to this Project and a further communication on the subject will follow..

follow. The Mysore Govt. may please be informed accordingly.

D.A. Nil.

9.12.43.

I have, etc.,

Issue and then refer the papers u.o. to the El. Engr. to Govt. and the Dir. of Industries.

11/12/43

ISSUED 15/12/43

VR.9/12.

Invd. 6823
20 DEC 1943
File ... 175-

1411/27

u.o.r. to the El. Engr. to Govt. for info. Rai

and the director of Industries (in succession) of 16th Dec. 1943.

x with files 1141/27 in two parts with three packets of photographs maps and plans.

Below U.O.R.No.2004/36 dated 16 December 1943, from Government in the Public Works Department.

D 17-B

No. 4093 of 1943.

Bombay, 20th December 1943.

Passed on, with compliments, to the Director of Industries, Bombay.

2. I am strongly of the opinion that this Government should press for acceptance by the Government of Mysore State of the 5000 K.W. promised to the Bombay Government be supplied at a rate of 0.125 anna per unit, in accordance with the letter addressed to the Secretary to the Hon'ble Resident of Mysore on page 117.

3. Messrs. Tata Power Companies' generation cost is in the neighbourhood of 0.02 annas per unit.

4. According to the administration report of the Electrical Department of Mysore for the year ending 1938-39, the average working cost per unit, which includes expenditure on administration, generation, transmission and other costs including depreciation fund contribution, 0.15 anna per unit; including the cost of water storage 0.23 annas per unit.

P. Electrical Engineer to Gov

INDUSTRIES
No. 2502
DEC 20

20/12

El. Bra. P.W.D.

File 2084/36 reg. Irg Hydro. El. Projs was referred u.o. to the El. Engr. to Govt. and the Dir. of Industries on the 16th Dec. 1943. It has been informally ascertained from the office of the former that the file was passed on to the latter on the 20th Dec. 1943. As the Engr. has asked for the file the Dir. of Industries may be requested u.o. to return it with the bearer.

24.12.43.

24/12/43.

R.o.r. to the Dir. of Industries dtd Dec. 19

· 110

Returned with Comps

There are certain points regarding costs which are to be ~~[illegible]~~ clarified. I have had a preliminary discussion in this connection with the Elec Engr to Govt today. The matter requires further consideration. The files may kindly be returned to me when done with. I will then submit a note in consultation with the Elec Engr to Govt.

[illegible]

24/12/43

14 11/27 I dt 2

PUBLIC WORKS DEPARTMENT
File No. 2004/36
-6 JAN. 1944
Serial No. /

B.P.
Shall
A.E.
Elec Br
6/1

2024/36

El. Br. P. W. D.

Submitted.

2. These papers were called back from the office of the Director of Industries as the Secy. wanted to take them with him in his last tour. They may now be returned u.o. to the Dir. o Industries in view of para.2 of his no on the previous page.

3. There were three packets of photographs of the Gersoppa Falls kept below on the case board. It has been informally ascertained from the office of the Dir. of Industries and the El. Engr. to Govt. to whom the File was referred u.o. with those packets that the latter have not been left behind. The Secy. will kindly see if they are with him.

12.1.44.

They are with me.

R.12/1.

(25 1.44)

The case be now sent to the Dir of Ind.

12/1/44.

Secy.

× with Nos 1411/27 in two parts with maps and plans.

L. x

D.O.N. to the Dir. of Industries dated 13th January 1944.

KWC.

2. I have been away at Calcutta in connection with the Tech[l] Conference called by the Elec Commr with the Govt of India. ~~Since~~ on the 25th inst. my return I regret I have had no time to examine in detail this case. As I am handing over charge today, I am returning these papers. I shall however, take ~~the~~ an early opportunity to give my views to the Elec Engr to Govt.

MBA.
31/1/44

To
The Secretary to Govt
P. W. D. (Elec)

NO Gen. Misc. 177. dtd 31.1.44

PUBLIC WORKS DEPARTMENT
File No. 2004/24
-1. FEB. 1944
Serial No. 2989

2 of
2981.

P.W.D.

El. Bra

Submitted.

2. These papers may be shown u.o. to the El. Engr. to Govt. with ref. to the concluding sentence of Mr. Advani's u.o.r. on the previous page with a request to communicate Mr. Advani's views as soon as they are expressed to him.

2.2.44

E/M/Mem.

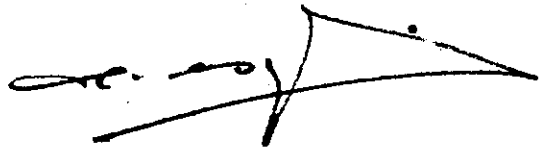
u.o.r. to the El. Engr. to Govt. dt. 4th July, 1944

ELECTRICAL BRANCH
TO
Inwd. No. 8947
29 FEB 1944
File No. 279.
P. W. D., BOMBAY

x with file 1411/2) in two parts, maps and plans.

Returned, with compliments.

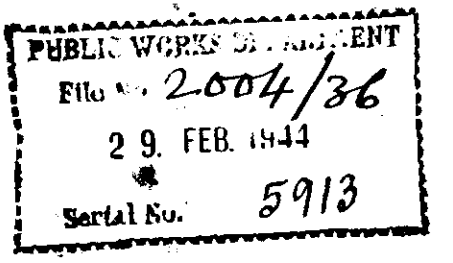
2. Mr. Advani was written to in the matter, but so far no reply has been received from him. The papers may be returned to him when he joins his new appointment.



Electrical Engineer to Govt.

No. 2178/ 5943 Dated 29th Feb. 44.

El Br 1/9/2



El. Br.

Submitted.

2. Mr. Advani has since joined.

These papers may be referred to him with reference to his letter on p. 1/ ante.

3.3.44.

3.III.44

2044/36
5913.

El. Bra.

Recommitted.

2. These papers were brought back from the office of the Spl. officer, El. Bra, as they were required in connection with the 7th Div. file 4235/33. They have now been returned by that Deptt. They may be sent back u.o. to the Spl. officer.

Rec'd 3/7/44 30.6.44.

Yours P. W. A. C. Bra.

30/6/44.

with file 1411/27 in two parts, maps and plans

u.o.r. to the Spl. officer, El. Bra, of 3rd July 1944

004/36
30103

Office of the Special
Officer (Electric Grid)

This case can be satisfactorily dealt
ith after a detailed Electric load survey of the
outh of the Province has been made. This will
till take another 4 months or so. Meanwhile I
n returning the Secretariat files. I will call
or them when needed.

1/11/44.

EL.B 7/11

The Secy. to Govt.,
P.W.D., Bombay.

PUBLIC WORKS DEPARTMENT
File No. 2004/36
- 1 NOV. 44
Serial No. 30103

.o.r. No.Elg.93—330
ated 1st Nov.1944.

El.Br.

P. W. D.

Submitted for information with reference
K. to his proceedings on the subject quoted
2. The papers will be returned by him to S.O
(Electric Grid) when he calls for them.

Rec'd 2/11/44

2/11/44

Telegrams: " BAMBUPULP " Telephone 34165.

The Canara Pulp & Paper Mills, Ltd..

Head Office:

Western India House, Pherozshah Mehta Road, Fort,
BOMBAY.

Managing Agents:
VISHWAS & CO.

Date 7th MAY, 1945

Ref. No. 188

The Secretary to Government,
Public Works Department,
Secretariat,
BOMBAY

Dear Sir,

Sub: Electric Current from Jog Hydro Electric Scheame ..possibility of getting connection of.. to the Canara Pulp & Paper Mills ~~Ltd~~. proposed to be started in North Kanara District

The Canara Pulp & Paper Mills Ltd. to which certain concessions were given by Government in their letter No. G.D. 2735/33-G dated the 31st January, 1939, has now started its investigation of a suitable site for the Mills, now that the end of the war is clearly in view. Application for renewal of the concessions already given is separately sent to Government in the General Department. During our investigations, we learnt that the Bombay Government is assured by the Mysore Goverhment of a Supply of a certain percentage of the Electrical energy generated at the Jog Power House. It is also learnt that the Jog Scheame will be ready for transmitting

(P.T.O.)

186

Electric power by June or July,1946 at the latest. Our Company is very keen on getting Electric Current from the Jog Power Station out of the quota available to Bombay Government. We have so far no information as to how the Bombay Government propose to utilise this energy but we are sure that the Industrial concerns will get a preferential claim on this energy. As we have to very soon arrive at a final decision about the location of our Mill, we find it essential to know how the proposed transmission line will be laid and when Government will possibly take the work in hand in order that the energy should be utilised as soon as it is available. Locating our factory as close to possible to the transmission line will be a great advantage. We would be glad to get details of Government's proposals to utilize the Electric Current available from the from Jog Power House. Our possible sites so far investigated are Kadra, Gersappa and Bomanhalli and the final selection will to a great extent depend on the advantages of Electrical energy being available at reasonably cheap rates and with the minimum length of transmission line.

A copy of this letter is also being sent to the Directors of Industries, Bombay for information.

Yours faithfully,

SV: For & on behalf of The Canara Pulp & Paper Mills Ltd.

For Vishwas & Co.

Partner.

Managing Agents.

Pulp No. 2004/36

11 MAY 1944

Serial No. 15540

167 2004/36/1554

El.Br.(1)

Acknowledged under G.L. No. 2004/36-El.(1), d. the, 6-5-1945 in the first instance.

ASS.
16-5-45.

P.R.O.
16-5-45.

ISSUED
On 16.5.45
FOR S.A.S

El.Br.(1).

Pl. see the S.O. (El. Grid)'s note, p 184 d. the 1-11-44, and the O.N. p 184 thereon. This may be refd. req. to the S.O. (El. Grid) for his remarks in the first instance.

forwarded No. 314 Dt. 18/5/45

17-6-45

ASS
16-5-45

x with file 1411/29 (I+II) S.O. and maps.

U.O.R. to the S.O (El. Grid) dated the 18-5-45 ✓x

ASS 16/5/45

189

Std.Sectt. 23 e.

Public Works Department.

Unofficial Reference

2004/36-El (1)

d 9 17- 5 - 1945.

Subject:-

Hydro Electric Project

Gersappa Falls.

Award No.

25201. 31/8/45

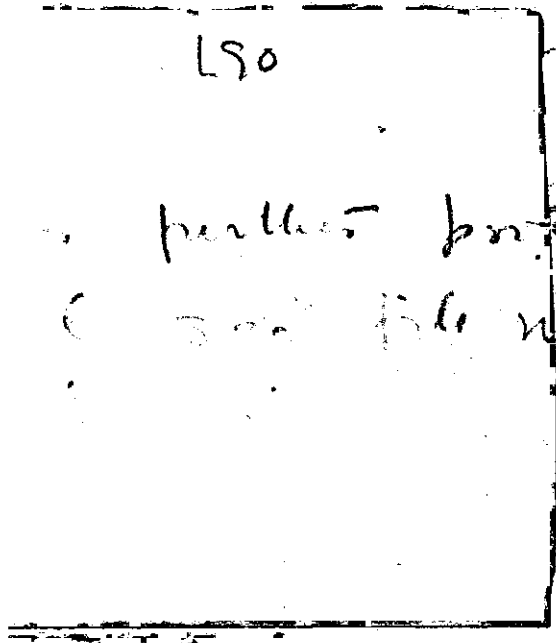
The attention of the Special Officer Electric Grid Department is requested to the unofficial reference from this Department noted in the margin, the early return of which with a reply will be convenient.

S.S. Jadhav

For Assistant Secretary to Government

Unofficial reference to the Special Officer, Electric Grid Department No. 2004/36 dated, 7th July 1945.

P.T.O.


150